

## APPENDIX B: Cardiac Procedure Codes

### *Cardiac procedure codes: (ACSCARP)*

0210083	Bypass coronary artery, one artery from coronary artery with zooplastic tissue, open approach	02C03ZZ	Extirpation of matter from coronary artery, one artery, percutaneous approach
0210088	Bypass coronary artery, one artery from right internal mammary with zooplastic tissue, open approach	02C04Z6	Extirpation of matter from coronary artery, one artery, bifurcation, percutaneous endoscopic approach
0210089	Bypass coronary artery, one artery from left internal mammary with zooplastic tissue, open approach	02C04ZZ	Extirpation of matter from coronary artery, one artery, percutaneous endoscopic approach
021008C	Bypass coronary artery, one artery from thoracic artery with zooplastic tissue, open approach	02C10Z6	Extirpation of matter from coronary artery, two arteries, bifurcation, open approach
021008F	Bypass coronary artery, one artery from abdominal artery with zooplastic tissue, open approach	02C10ZZ	Extirpation of matter from coronary artery, two arteries, open approach
021008W	Bypass coronary artery, one artery from aorta with zooplastic tissue, open approach	02C13Z6	Extirpation of matter from coronary artery, two arteries, bifurcation, percutaneous approach
0210093	Bypass coronary artery, one artery from coronary artery with autologous venous tissue, open approach	02C13ZZ	Extirpation of matter from coronary artery, two arteries, percutaneous approach
0210098	Bypass coronary artery, one artery from right internal mammary with autologous venous tissue, open approach	02C14Z6	Extirpation of matter from coronary artery, two arteries, bifurcation, percutaneous endoscopic approach
0210099	Bypass coronary artery, one artery from left internal mammary with autologous venous tissue, open approach	02C14ZZ	Extirpation of matter from coronary artery, two arteries, percutaneous endoscopic approach
021009C	Bypass coronary artery, one artery from thoracic artery with autologous venous tissue, open approach	02C20Z6	Extirpation of matter from coronary artery, three arteries, bifurcation, open approach
021009F	Bypass coronary artery, one artery from abdominal artery with autologous venous tissue, open approach	02C20ZZ	Extirpation of matter from coronary artery, three arteries, open approach
021009W	Bypass coronary artery, one artery from aorta with autologous venous tissue, open approach	02C23Z6	Extirpation of matter from coronary artery, three arteries, bifurcation, percutaneous approach
02100A3	Bypass coronary artery, one artery from coronary artery with autologous arterial tissue, open approach	02C23ZZ	Extirpation of matter from coronary artery, three arteries, percutaneous approach

02100A8	Bypass coronary artery, one artery from right internal mammary with autologous arterial tissue, open approach	02C24Z6	Extirpation of matter from coronary artery, three arteries, bifurcation, percutaneous endoscopic approach
02100A9	Bypass coronary artery, one artery from left internal mammary with autologous arterial tissue, open approach	02C24ZZ	Extirpation of matter from coronary artery, three arteries, percutaneous endoscopic approach
02100AC	Bypass coronary artery, one artery from thoracic artery with autologous arterial tissue, open approach	02C30Z6	Extirpation of matter from coronary artery, four or more arteries, bifurcation, open approach
02100AF	Bypass coronary artery, one artery from abdominal artery with autologous arterial tissue, open approach	02C30ZZ	Extirpation of matter from coronary artery, four or more arteries, open approach
02100AW	Bypass coronary artery, one artery from aorta with autologous arterial tissue, open approach	02C33Z6	Extirpation of matter from coronary artery, four or more arteries, bifurcation, percutaneous approach
02100J3	Bypass coronary artery, one artery from coronary artery with synthetic substitute, open approach	02C33ZZ	Extirpation of matter from coronary artery, four or more arteries, percutaneous approach
02100J8	Bypass coronary artery, one artery from right internal mammary with synthetic substitute, open approach	02C34Z6	Extirpation of matter from coronary artery, four or more arteries, bifurcation, percutaneous endoscopic approach
02100J9	Bypass coronary artery, one artery from left internal mammary with synthetic substitute, open approach	02C34ZZ	Extirpation of matter from coronary artery, four or more arteries, percutaneous endoscopic approach
02100JC	Bypass coronary artery, one artery from thoracic artery with synthetic substitute, open approach	02C40ZZ	Extirpation of matter from coronary vein, open approach
02100JF	Bypass coronary artery, one artery from abdominal artery with synthetic substitute, open approach	02C43ZZ	Extirpation of matter from coronary vein, percutaneous approach
02100JW	Bypass coronary artery, one artery from aorta with synthetic substitute, open approach	02C44ZZ	Extirpation of matter from coronary vein, percutaneous endoscopic approach
02100K3	Bypass coronary artery, one artery from coronary artery with nonautologous tissue substitute, open approach	02C50ZZ	Extirpation of matter from atrial septum, open approach
02100K8	Bypass coronary artery, one artery from right internal mammary with nonautologous tissue substitute, open approach	02C53ZZ	Extirpation of matter from atrial septum, percutaneous approach

02100K9	Bypass coronary artery, one artery from left internal mammary with nonautologous tissue substitute, open approach	02C54ZZ	Extirpation of matter from atrial septum, percutaneous endoscopic approach
02100KC	Bypass coronary artery, one artery from thoracic artery with nonautologous tissue substitute, open approach	02C60ZZ	Extirpation of matter from right atrium, open approach
02100KF	Bypass coronary artery, one artery from abdominal artery with nonautologous tissue substitute, open approach	02C64ZZ	Extirpation of matter from right atrium, percutaneous endoscopic approach
02100KW	Bypass coronary artery, one artery from aorta with nonautologous tissue substitute, open approach	02C70ZZ	Extirpation of matter from left atrium, open approach
02100Z3	Bypass coronary artery, one artery from coronary artery, open approach	02C74ZZ	Extirpation of matter from left atrium, percutaneous endoscopic approach
02100Z8	Bypass coronary artery, one artery from right internal mammary, open approach	02C80ZZ	Extirpation of matter from conduction mechanism, open approach
02100Z9	Bypass coronary artery, one artery from left internal mammary, open approach	02C84ZZ	Extirpation of matter from conduction mechanism, percutaneous endoscopic approach
02100ZC	Bypass coronary artery, one artery from thoracic artery, open approach	02C90ZZ	Extirpation of matter from chordae tendineae, open approach
02100ZF	Bypass coronary artery, one artery from abdominal artery, open approach	02C94ZZ	Extirpation of matter from chordae tendineae, percutaneous endoscopic approach
0210344	Bypass coronary artery, one artery from coronary vein with drug-eluting intraluminal device, percutaneous approach	02CD0ZZ	Extirpation of matter from papillary muscle, open approach
02103D4	Bypass coronary artery, one artery from coronary vein with intraluminal device, percutaneous approach	02CD3ZZ	Extirpation of matter from papillary muscle, percutaneous approach
0210444	Bypass coronary artery, one artery from coronary vein with drug-eluting intraluminal device, percutaneous endoscopic approach	02CD4ZZ	Extirpation of matter from papillary muscle, percutaneous endoscopic approach
0210483	Bypass coronary artery, one artery from coronary artery with zooplastic tissue, percutaneous endoscopic approach	02CF0ZZ	Extirpation of matter from aortic valve, open approach

0210488	Bypass coronary artery, one artery from right internal mammary with zooplastic tissue, percutaneous endoscopic approach	02CF3ZZ	Extirpation of matter from aortic valve, percutaneous approach
0210489	Bypass coronary artery, one artery from left internal mammary with zooplastic tissue, percutaneous endoscopic approach	02CF4ZZ	Extirpation of matter from aortic valve, percutaneous endoscopic approach
021048C	Bypass coronary artery, one artery from thoracic artery with zooplastic tissue, percutaneous endoscopic approach	02CG0ZZ	Extirpation of matter from mitral valve, open approach
021048F	Bypass coronary artery, one artery from abdominal artery with zooplastic tissue, percutaneous endoscopic approach	02CG3ZZ	Extirpation of matter from mitral valve, percutaneous approach
021048W	Bypass coronary artery, one artery from aorta with zooplastic tissue, percutaneous endoscopic approach	02CG4ZZ	Extirpation of matter from mitral valve, percutaneous endoscopic approach
0210493	Bypass coronary artery, one artery from coronary artery with autologous venous tissue, percutaneous endoscopic approach	02CH0ZZ	Extirpation of matter from pulmonary valve, open approach
0210498	Bypass coronary artery, one artery from right internal mammary with autologous venous tissue, percutaneous endoscopic approach	02CH3ZZ	Extirpation of matter from pulmonary valve, percutaneous approach
0210499	Bypass coronary artery, one artery from left internal mammary with autologous venous tissue, percutaneous endoscopic approach	02CH4ZZ	Extirpation of matter from pulmonary valve, percutaneous endoscopic approach
021049C	Bypass coronary artery, one artery from thoracic artery with autologous venous tissue, percutaneous endoscopic approach	02CJ0ZZ	Extirpation of matter from tricuspid valve, open approach
021049F	Bypass coronary artery, one artery from abdominal artery with autologous venous tissue, percutaneous endoscopic approach	02CJ3ZZ	Extirpation of matter from tricuspid valve, percutaneous approach
021049W	Bypass coronary artery, one artery from aorta with autologous venous tissue, percutaneous endoscopic approach	02CJ4ZZ	Extirpation of matter from tricuspid valve, percutaneous endoscopic approach

02104A3	Bypass coronary artery, one artery from coronary artery with autologous arterial tissue, percutaneous endoscopic approach	02CK0ZZ	Extirpation of matter from right ventricle, open approach
02104A8	Bypass coronary artery, one artery from right internal mammary with autologous arterial tissue, percutaneous endoscopic approach	02CK4ZZ	Extirpation of matter from right ventricle, percutaneous endoscopic approach
02104A9	Bypass coronary artery, one artery from left internal mammary with autologous arterial tissue, percutaneous endoscopic approach	02CL0ZZ	Extirpation of matter from left ventricle, open approach
02104AC	Bypass coronary artery, one artery from thoracic artery with autologous arterial tissue, percutaneous endoscopic approach	02CL4ZZ	Extirpation of matter from left ventricle, percutaneous endoscopic approach
02104AF	Bypass coronary artery, one artery from abdominal artery with autologous arterial tissue, percutaneous endoscopic approach	02CM0ZZ	Extirpation of matter from ventricular septum, open approach
02104AW	Bypass coronary artery, one artery from aorta with autologous arterial tissue, percutaneous endoscopic approach	02CM3ZZ	Extirpation of matter from ventricular septum, percutaneous approach
02104D4	Bypass coronary artery, one artery from coronary vein with intraluminal device, percutaneous endoscopic approach	02CM4ZZ	Extirpation of matter from ventricular septum, percutaneous endoscopic approach
02104J3	Bypass coronary artery, one artery from coronary artery with synthetic substitute, percutaneous endoscopic approach	02CN0ZZ	Extirpation of matter from pericardium, open approach
02104J8	Bypass coronary artery, one artery from right internal mammary with synthetic substitute, percutaneous endoscopic approach	02H00DZ	Insertion of intraluminal device into coronary artery, one artery, open approach
02104J9	Bypass coronary artery, one artery from left internal mammary with synthetic substitute, percutaneous endoscopic approach	02H00YZ	Insertion of other device into coronary artery, one artery, open approach
02104JC	Bypass coronary artery, one artery from thoracic artery with synthetic substitute, percutaneous endoscopic approach	02H03DZ	Insertion of intraluminal device into coronary artery, one artery, percutaneous approach

02104JF	Bypass coronary artery, one artery from abdominal artery with synthetic substitute, percutaneous endoscopic approach	02H03YZ	Insertion of other device into coronary artery, one artery, percutaneous approach
02104JW	Bypass coronary artery, one artery from aorta with synthetic substitute, percutaneous endoscopic approach	02H04DZ	Insertion of intraluminal device into coronary artery, one artery, percutaneous endoscopic approach
02104K3	Bypass coronary artery, one artery from coronary artery with nonautologous tissue substitute, percutaneous endoscopic approach	02H04YZ	Insertion of other device into coronary artery, one artery, percutaneous endoscopic approach
02104K8	Bypass coronary artery, one artery from right internal mammary with nonautologous tissue substitute, percutaneous endoscopic approach	02H10DZ	Insertion of intraluminal device into coronary artery, two arteries, open approach
02104K9	Bypass coronary artery, one artery from left internal mammary with nonautologous tissue substitute, percutaneous endoscopic approach	02H10YZ	Insertion of other device into coronary artery, two arteries, open approach
02104KC	Bypass coronary artery, one artery from thoracic artery with nonautologous tissue substitute, percutaneous endoscopic approach	02H13DZ	Insertion of intraluminal device into coronary artery, two arteries, percutaneous approach
02104KF	Bypass coronary artery, one artery from abdominal artery with nonautologous tissue substitute, percutaneous endoscopic approach	02H13YZ	Insertion of other device into coronary artery, two arteries, percutaneous approach
02104KW	Bypass coronary artery, one artery from aorta with nonautologous tissue substitute, percutaneous endoscopic approach	02H14DZ	Insertion of intraluminal device into coronary artery, two arteries, percutaneous endoscopic approach
02104Z3	Bypass coronary artery, one artery from coronary artery, percutaneous endoscopic approach	02H14YZ	Insertion of other device into coronary artery, two arteries, percutaneous endoscopic approach
02104Z8	Bypass coronary artery, one artery from right internal mammary, percutaneous endoscopic approach	02H20DZ	Insertion of intraluminal device into coronary artery, three arteries, open approach
02104Z9	Bypass coronary artery, one artery from left internal mammary, percutaneous endoscopic approach	02H20YZ	Insertion of other device into coronary artery, three arteries, open approach
02104ZC	Bypass coronary artery, one artery from thoracic artery, percutaneous endoscopic approach	02H23DZ	Insertion of intraluminal device into coronary artery, three arteries, percutaneous approach

02104ZF	Bypass coronary artery, one artery from abdominal artery, percutaneous endoscopic approach	02H23YZ	Insertion of other device into coronary artery, three arteries, percutaneous approach
0211083	Bypass coronary artery, two arteries from coronary artery with zooplastic tissue, open approach	02H24DZ	Insertion of intraluminal device into coronary artery, three arteries, percutaneous endoscopic approach
0211088	Bypass coronary artery, two arteries from right internal mammary with zooplastic tissue, open approach	02H24YZ	Insertion of other device into coronary artery, three arteries, percutaneous endoscopic approach
0211089	Bypass coronary artery, two arteries from left internal mammary with zooplastic tissue, open approach	02H30DZ	Insertion of intraluminal device into coronary artery, four or more arteries, open approach
021108C	Bypass coronary artery, two arteries from thoracic artery with zooplastic tissue, open approach	02H30YZ	Insertion of other device into coronary artery, four or more arteries, open approach
021108F	Bypass coronary artery, two arteries from abdominal artery with zooplastic tissue, open approach	02H33DZ	Insertion of intraluminal device into coronary artery, four or more arteries, percutaneous approach
021108W	Bypass coronary artery, two arteries from aorta with zooplastic tissue, open approach	02H33YZ	Insertion of other device into coronary artery, four or more arteries, percutaneous approach
0211093	Bypass coronary artery, two arteries from coronary artery with autologous venous tissue, open approach	02H34DZ	Insertion of intraluminal device into coronary artery, four or more arteries, percutaneous endoscopic approach
0211098	Bypass coronary artery, two arteries from right internal mammary with autologous venous tissue, open approach	02H34YZ	Insertion of other device into coronary artery, four or more arteries, percutaneous endoscopic approach
0211099	Bypass coronary artery, two arteries from left internal mammary with autologous venous tissue, open approach	02H400Z	Insertion of pressure sensor monitoring device into coronary vein, open approach
021109C	Bypass coronary artery, two arteries from thoracic artery with autologous venous tissue, open approach	02H402Z	Insertion of monitoring device into coronary vein, open approach
021109F	Bypass coronary artery, two arteries from abdominal artery with autologous venous tissue, open approach	02H403Z	Insertion of infusion device into coronary vein, open approach
021109W	Bypass coronary artery, two arteries from aorta with autologous venous tissue, open approach	02H40DZ	Insertion of intraluminal device into coronary vein, open approach
02110A3	Bypass coronary artery, two arteries from coronary artery with autologous arterial tissue, open approach	02H40JZ	Insertion of pacemaker lead into coronary vein, open approach

02110A8	Bypass coronary artery, two arteries from right internal mammary with autologous arterial tissue, open approach	02H40KZ	Insertion of defibrillator lead into coronary vein, open approach
02110A9	Bypass coronary artery, two arteries from left internal mammary with autologous arterial tissue, open approach	02H40MZ	Insertion of cardiac lead into coronary vein, open approach
02110AC	Bypass coronary artery, two arteries from thoracic artery with autologous arterial tissue, open approach	02H40NZ	Insertion of intracardiac pacemaker into coronary vein, open approach
02110AF	Bypass coronary artery, two arteries from abdominal artery with autologous arterial tissue, open approach	02H430Z	Insertion of pressure sensor monitoring device into coronary vein, percutaneous approach
02110AW	Bypass coronary artery, two arteries from aorta with autologous arterial tissue, open approach	02H432Z	Insertion of monitoring device into coronary vein, percutaneous approach
02110J3	Bypass coronary artery, two arteries from coronary artery with synthetic substitute, open approach	02H433Z	Insertion of infusion device into coronary vein, percutaneous approach
02110J8	Bypass coronary artery, two arteries from right internal mammary with synthetic substitute, open approach	02H43DZ	Insertion of intraluminal device into coronary vein, percutaneous approach
02110J9	Bypass coronary artery, two arteries from left internal mammary with synthetic substitute, open approach	02H43JZ	Insertion of pacemaker lead into coronary vein, percutaneous approach
02110JC	Bypass coronary artery, two arteries from thoracic artery with synthetic substitute, open approach	02H43KZ	Insertion of defibrillator lead into coronary vein, percutaneous approach
02110JF	Bypass coronary artery, two arteries from abdominal artery with synthetic substitute, open approach	02H43MZ	Insertion of cardiac lead into coronary vein, percutaneous approach
02110JW	Bypass coronary artery, two arteries from aorta with synthetic substitute, open approach	02H43NZ	Insertion of intracardiac pacemaker into coronary vein, percutaneous approach
02110K3	Bypass coronary artery, two arteries from coronary artery with nonautologous tissue substitute, open approach	02H440Z	Insertion of pressure sensor monitoring device into coronary vein, percutaneous endoscopic approach
02110K8	Bypass coronary artery, two arteries from right internal mammary with nonautologous tissue substitute, open approach	02H442Z	Insertion of monitoring device into coronary vein, percutaneous endoscopic approach



02110K9	Bypass coronary artery, two arteries from left internal mammary with nonautologous tissue substitute, open approach	02H443Z	Insertion of infusion device into coronary vein, percutaneous endoscopic approach
02110KC	Bypass coronary artery, two arteries from thoracic artery with nonautologous tissue substitute, open approach	02H44DZ	Insertion of intraluminal device into coronary vein, percutaneous endoscopic approach
02110KF	Bypass coronary artery, two arteries from abdominal artery with nonautologous tissue substitute, open approach	02H44JZ	Insertion of pacemaker lead into coronary vein, percutaneous endoscopic approach
02110KW	Bypass coronary artery, two arteries from aorta with nonautologous tissue substitute, open approach	02H44KZ	Insertion of defibrillator lead into coronary vein, percutaneous endoscopic approach
02110Z3	Bypass coronary artery, two arteries from coronary artery, open approach	02H44MZ	Insertion of cardiac lead into coronary vein, percutaneous endoscopic approach
02110Z8	Bypass coronary artery, two arteries from right internal mammary, open approach	02H44NZ	Insertion of intracardiac pacemaker into coronary vein, percutaneous endoscopic approach
02110Z9	Bypass coronary artery, two arteries from left internal mammary, open approach	02H600Z	Insertion of pressure sensor monitoring device into right atrium, open approach
02110ZC	Bypass coronary artery, two arteries from thoracic artery, open approach	02H60JZ	Insertion of pacemaker lead into right atrium, open approach
02110ZF	Bypass coronary artery, two arteries from abdominal artery, open approach	02H60KZ	Insertion of defibrillator lead into right atrium, open approach
0211344	Bypass coronary artery, two arteries from coronary vein with drug-eluting intraluminal device, percutaneous approach	02H60MZ	Insertion of cardiac lead into right atrium, open approach
02113D4	Bypass coronary artery, two arteries from coronary vein with intraluminal device, percutaneous approach	02H60NZ	Insertion of intracardiac pacemaker into right atrium, open approach
0211444	Bypass coronary artery, two arteries from coronary vein with drug-eluting intraluminal device, percutaneous endoscopic approach	02H630Z	Insertion of pressure sensor monitoring device into right atrium, percutaneous approach
0211483	Bypass coronary artery, two arteries from coronary artery with zooplastic tissue, percutaneous endoscopic approach	02H63JZ	Insertion of pacemaker lead into right atrium, percutaneous approach

0211488	Bypass coronary artery, two arteries from right internal mammary with zooplastic tissue, percutaneous endoscopic approach	02H63KZ	Insertion of defibrillator lead into right atrium, percutaneous approach
0211489	Bypass coronary artery, two arteries from left internal mammary with zooplastic tissue, percutaneous endoscopic approach	02H63MZ	Insertion of cardiac lead into right atrium, percutaneous approach
021148C	Bypass coronary artery, two arteries from thoracic artery with zooplastic tissue, percutaneous endoscopic approach	02H640Z	Insertion of pressure sensor monitoring device into right atrium, percutaneous endoscopic approach
021148F	Bypass coronary artery, two arteries from abdominal artery with zooplastic tissue, percutaneous endoscopic approach	02H64JZ	Insertion of pacemaker lead into right atrium, percutaneous endoscopic approach
021148W	Bypass coronary artery, two arteries from aorta with zooplastic tissue, percutaneous endoscopic approach	02H64KZ	Insertion of defibrillator lead into right atrium, percutaneous endoscopic approach
0211493	Bypass coronary artery, two arteries from coronary artery with autologous venous tissue, percutaneous endoscopic approach	02H64MZ	Insertion of cardiac lead into right atrium, percutaneous endoscopic approach
0211498	Bypass coronary artery, two arteries from right internal mammary with autologous venous tissue, percutaneous endoscopic approach	02H64NZ	Insertion of intracardiac pacemaker into right atrium, percutaneous endoscopic approach
0211499	Bypass coronary artery, two arteries from left internal mammary with autologous venous tissue, percutaneous endoscopic approach	02H700Z	Insertion of pressure sensor monitoring device into left atrium, open approach
021149C	Bypass coronary artery, two arteries from thoracic artery with autologous venous tissue, percutaneous endoscopic approach	02H70JZ	Insertion of pacemaker lead into left atrium, open approach
021149F	Bypass coronary artery, two arteries from abdominal artery with autologous venous tissue, percutaneous endoscopic approach	02H70KZ	Insertion of defibrillator lead into left atrium, open approach
021149W	Bypass coronary artery, two arteries from aorta with autologous venous tissue, percutaneous endoscopic approach	02H70MZ	Insertion of cardiac lead into left atrium, open approach

02114A3	Bypass coronary artery, two arteries from coronary artery with autologous arterial tissue, percutaneous endoscopic approach	02H70NZ	Insertion of intracardiac pacemaker into left atrium, open approach
02114A8	Bypass coronary artery, two arteries from right internal mammary with autologous arterial tissue, percutaneous endoscopic approach	02H730Z	Insertion of pressure sensor monitoring device into left atrium, percutaneous approach
02114A9	Bypass coronary artery, two arteries from left internal mammary with autologous arterial tissue, percutaneous endoscopic approach	02H73JZ	Insertion of pacemaker lead into left atrium, percutaneous approach
02114AC	Bypass coronary artery, two arteries from thoracic artery with autologous arterial tissue, percutaneous endoscopic approach	02H73KZ	Insertion of defibrillator lead into left atrium, percutaneous approach
02114AF	Bypass coronary artery, two arteries from abdominal artery with autologous arterial tissue, percutaneous endoscopic approach	02H73MZ	Insertion of cardiac lead into left atrium, percutaneous approach
02114AW	Bypass coronary artery, two arteries from aorta with autologous arterial tissue, percutaneous endoscopic approach	02H740Z	Insertion of pressure sensor monitoring device into left atrium, percutaneous endoscopic approach
02114D4	Bypass coronary artery, two arteries from coronary vein with intraluminal device, percutaneous endoscopic approach	02H74JZ	Insertion of pacemaker lead into left atrium, percutaneous endoscopic approach
02114J3	Bypass coronary artery, two arteries from coronary artery with synthetic substitute, percutaneous endoscopic approach	02H74KZ	Insertion of defibrillator lead into left atrium, percutaneous endoscopic approach
02114J8	Bypass coronary artery, two arteries from right internal mammary with synthetic substitute, percutaneous endoscopic approach	02H74MZ	Insertion of cardiac lead into left atrium, percutaneous endoscopic approach
02114J9	Bypass coronary artery, two arteries from left internal mammary with synthetic substitute, percutaneous endoscopic approach	02H74NZ	Insertion of intracardiac pacemaker into left atrium, percutaneous endoscopic approach
02114JC	Bypass coronary artery, two arteries from thoracic artery with synthetic substitute, percutaneous endoscopic approach	02HA0QZ	Insertion of implantable heart assist system into heart, open approach

02114JF	Bypass coronary artery, two arteries from abdominal artery with synthetic substitute, percutaneous endoscopic approach	02HA0RJ	Insertion of short-term external heart assist system into heart, intraoperative, open approach
02114JW	Bypass coronary artery, two arteries from aorta with synthetic substitute, percutaneous endoscopic approach	02HA0RS	Insertion of biventricular short-term external heart assist system into heart, open approach
02114K3	Bypass coronary artery, two arteries from coronary artery with nonautologous tissue substitute, percutaneous endoscopic approach	02HA0RZ	Insertion of short-term external heart assist system into heart, open approach
02114K8	Bypass coronary artery, two arteries from right internal mammary with nonautologous tissue substitute, percutaneous endoscopic approach	02HA3QZ	Insertion of implantable heart assist system into heart, percutaneous approach
02114K9	Bypass coronary artery, two arteries from left internal mammary with nonautologous tissue substitute, percutaneous endoscopic approach	02HA3RJ	Insertion of short-term external heart assist system into heart, intraoperative, percutaneous approach
02114KC	Bypass coronary artery, two arteries from thoracic artery with nonautologous tissue substitute, percutaneous endoscopic approach	02HA3RS	Insertion of biventricular short-term external heart assist system into heart, percutaneous approach
02114KF	Bypass coronary artery, two arteries from abdominal artery with nonautologous tissue substitute, percutaneous endoscopic approach	02HA3RZ	Insertion of short-term external heart assist system into heart, percutaneous approach
02114KW	Bypass coronary artery, two arteries from aorta with nonautologous tissue substitute, percutaneous endoscopic approach	02HA4QZ	Insertion of implantable heart assist system into heart, percutaneous endoscopic approach
02114Z3	Bypass coronary artery, two arteries from coronary artery, percutaneous endoscopic approach	02HA4RJ	Insertion of short-term external heart assist system into heart, intraoperative, percutaneous endoscopic approach
02114Z8	Bypass coronary artery, two arteries from right internal mammary, percutaneous endoscopic approach	02HA4RS	Insertion of biventricular short-term external heart assist system into heart, percutaneous endoscopic approach
02114Z9	Bypass coronary artery, two arteries from left internal mammary, percutaneous endoscopic approach	02HA4RZ	Insertion of short-term external heart assist system into heart, percutaneous endoscopic approach
02114ZC	Bypass coronary artery, two arteries from thoracic artery, percutaneous endoscopic approach	02HK00Z	Insertion of pressure sensor monitoring device into right ventricle, open approach

02114ZF	Bypass coronary artery, two arteries from abdominal artery, percutaneous endoscopic approach	02HK02Z	Insertion of monitoring device into right ventricle, open approach
0212083	Bypass coronary artery, three arteries from coronary artery with zooplastic tissue, open approach	02HK0JZ	Insertion of pacemaker lead into right ventricle, open approach
0212088	Bypass coronary artery, three arteries from right internal mammary with zooplastic tissue, open approach	02HK0KZ	Insertion of defibrillator lead into right ventricle, open approach
0212089	Bypass coronary artery, three arteries from left internal mammary with zooplastic tissue, open approach	02HK0MZ	Insertion of cardiac lead into right ventricle, open approach
021208C	Bypass coronary artery, three arteries from thoracic artery with zooplastic tissue, open approach	02HK0NZ	Insertion of intracardiac pacemaker into right ventricle, open approach
021208F	Bypass coronary artery, three arteries from abdominal artery with zooplastic tissue, open approach	02HK30Z	Insertion of pressure sensor monitoring device into right ventricle, percutaneous approach
021208W	Bypass coronary artery, three arteries from aorta with zooplastic tissue, open approach	02HK32Z	Insertion of monitoring device into right ventricle, percutaneous approach
0212093	Bypass coronary artery, three arteries from coronary artery with autologous venous tissue, open approach	02HK3JZ	Insertion of pacemaker lead into right ventricle, percutaneous approach
0212098	Bypass coronary artery, three arteries from right internal mammary with autologous venous tissue, open approach	02HK3KZ	Insertion of defibrillator lead into right ventricle, percutaneous approach
0212099	Bypass coronary artery, three arteries from left internal mammary with autologous venous tissue, open approach	02HK3MZ	Insertion of cardiac lead into right ventricle, percutaneous approach
021209C	Bypass coronary artery, three arteries from thoracic artery with autologous venous tissue, open approach	02HK40Z	Insertion of pressure sensor monitoring device into right ventricle, percutaneous endoscopic approach
021209F	Bypass coronary artery, three arteries from abdominal artery with autologous venous tissue, open approach	02HK42Z	Insertion of monitoring device into right ventricle, percutaneous endoscopic approach
021209W	Bypass coronary artery, three arteries from aorta with autologous venous tissue, open approach	02HK4JZ	Insertion of pacemaker lead into right ventricle, percutaneous endoscopic approach
02120A3	Bypass coronary artery, three arteries from coronary artery with autologous arterial tissue, open approach	02HK4KZ	Insertion of defibrillator lead into right ventricle, percutaneous endoscopic approach

02120A8	Bypass coronary artery, three arteries from right internal mammary with autologous arterial tissue, open approach	02HK4MZ	Insertion of cardiac lead into right ventricle, percutaneous endoscopic approach
02120A9	Bypass coronary artery, three arteries from left internal mammary with autologous arterial tissue, open approach	02HK4NZ	Insertion of intracardiac pacemaker into right ventricle, percutaneous endoscopic approach
02120AC	Bypass coronary artery, three arteries from thoracic artery with autologous arterial tissue, open approach	02HL00Z	Insertion of pressure sensor monitoring device into left ventricle, open approach
02120AF	Bypass coronary artery, three arteries from abdominal artery with autologous arterial tissue, open approach	02HL0JZ	Insertion of pacemaker lead into left ventricle, open approach
02120AW	Bypass coronary artery, three arteries from aorta with autologous arterial tissue, open approach	02HL0KZ	Insertion of defibrillator lead into left ventricle, open approach
02120J3	Bypass coronary artery, three arteries from coronary artery with synthetic substitute, open approach	02HL0MZ	Insertion of cardiac lead into left ventricle, open approach
02120J8	Bypass coronary artery, three arteries from right internal mammary with synthetic substitute, open approach	02HL0NZ	Insertion of intracardiac pacemaker into left ventricle, open approach
02120J9	Bypass coronary artery, three arteries from left internal mammary with synthetic substitute, open approach	02HL30Z	Insertion of pressure sensor monitoring device into left ventricle, percutaneous approach
02120JC	Bypass coronary artery, three arteries from thoracic artery with synthetic substitute, open approach	02HL3JZ	Insertion of pacemaker lead into left ventricle, percutaneous approach
02120JF	Bypass coronary artery, three arteries from abdominal artery with synthetic substitute, open approach	02HL3KZ	Insertion of defibrillator lead into left ventricle, percutaneous approach
02120JW	Bypass coronary artery, three arteries from aorta with synthetic substitute, open approach	02HL3MZ	Insertion of cardiac lead into left ventricle, percutaneous approach
02120K3	Bypass coronary artery, three arteries from coronary artery with nonautologous tissue substitute, open approach	02HL40Z	Insertion of pressure sensor monitoring device into left ventricle, percutaneous endoscopic approach
02120K8	Bypass coronary artery, three arteries from right internal mammary with nonautologous tissue substitute, open approach	02HL4JZ	Insertion of pacemaker lead into left ventricle, percutaneous endoscopic approach

02120K9	Bypass coronary artery, three arteries from left internal mammary with nonautologous tissue substitute, open approach	02HL4KZ	Insertion of defibrillator lead into left ventricle, percutaneous endoscopic approach
02120KC	Bypass coronary artery, three arteries from thoracic artery with nonautologous tissue substitute, open approach	02HL4MZ	Insertion of cardiac lead into left ventricle, percutaneous endoscopic approach
02120KF	Bypass coronary artery, three arteries from abdominal artery with nonautologous tissue substitute, open approach	02HL4NZ	Insertion of intracardiac pacemaker into left ventricle, percutaneous endoscopic approach
02120KW	Bypass coronary artery, three arteries from aorta with nonautologous tissue substitute, open approach	02HN0JZ	Insertion of pacemaker lead into pericardium, open approach
02120Z3	Bypass coronary artery, three arteries from coronary artery, open approach	02HN0KZ	Insertion of defibrillator lead into pericardium, open approach
02120Z8	Bypass coronary artery, three arteries from right internal mammary, open approach	02HN0MZ	Insertion of cardiac lead into pericardium, open approach
02120Z9	Bypass coronary artery, three arteries from left internal mammary, open approach	02HN3JZ	Insertion of pacemaker lead into pericardium, percutaneous approach
02120ZC	Bypass coronary artery, three arteries from thoracic artery, open approach	02HN3KZ	Insertion of defibrillator lead into pericardium, percutaneous approach
02120ZF	Bypass coronary artery, three arteries from abdominal artery, open approach	02HN3MZ	Insertion of cardiac lead into pericardium, percutaneous approach
0212344	Bypass coronary artery, three arteries from coronary vein with drug-eluting intraluminal device, percutaneous approach	02HN4JZ	Insertion of pacemaker lead into pericardium, percutaneous endoscopic approach
02123D4	Bypass coronary artery, three arteries from coronary vein with intraluminal device, percutaneous approach	02HN4KZ	Insertion of defibrillator lead into pericardium, percutaneous endoscopic approach
0212444	Bypass coronary artery, three arteries from coronary vein with drug-eluting intraluminal device, percutaneous endoscopic approach	02HN4MZ	Insertion of cardiac lead into pericardium, percutaneous endoscopic approach
0212483	Bypass coronary artery, three arteries from coronary artery with zooplastic tissue, percutaneous endoscopic approach	02HS00Z	Insertion of pressure sensor monitoring device into right pulmonary vein, open approach

0212488	Bypass coronary artery, three arteries from right internal mammary with zooplastic tissue, percutaneous endoscopic approach	02HS30Z	Insertion of pressure sensor monitoring device into right pulmonary vein, percutaneous approach
0212489	Bypass coronary artery, three arteries from left internal mammary with zooplastic tissue, percutaneous endoscopic approach	02HS40Z	Insertion of pressure sensor monitoring device into right pulmonary vein, percutaneous endoscopic approach
021248C	Bypass coronary artery, three arteries from thoracic artery with zooplastic tissue, percutaneous endoscopic approach	02HT00Z	Insertion of pressure sensor monitoring device into left pulmonary vein, open approach
021248F	Bypass coronary artery, three arteries from abdominal artery with zooplastic tissue, percutaneous endoscopic approach	02HT30Z	Insertion of pressure sensor monitoring device into left pulmonary vein, percutaneous approach
021248W	Bypass coronary artery, three arteries from aorta with zooplastic tissue, percutaneous endoscopic approach	02HT40Z	Insertion of pressure sensor monitoring device into left pulmonary vein, percutaneous endoscopic approach
0212493	Bypass coronary artery, three arteries from coronary artery with autologous venous tissue, percutaneous endoscopic approach	02HV00Z	Insertion of pressure sensor monitoring device into superior vena cava, open approach
0212498	Bypass coronary artery, three arteries from right internal mammary with autologous venous tissue, percutaneous endoscopic approach	02HV30Z	Insertion of pressure sensor monitoring device into superior vena cava, percutaneous approach
0212499	Bypass coronary artery, three arteries from left internal mammary with autologous venous tissue, percutaneous endoscopic approach	02HV40Z	Insertion of pressure sensor monitoring device into superior vena cava, percutaneous endoscopic approach
021249C	Bypass coronary artery, three arteries from thoracic artery with autologous venous tissue, percutaneous endoscopic approach	02HX02Z	Insertion of monitoring device into thoracic aorta, ascending/arch, open approach
021249F	Bypass coronary artery, three arteries from abdominal artery with autologous venous tissue, percutaneous endoscopic approach	02HX0DZ	Insertion of intraluminal device into thoracic aorta, ascending/arch, open approach
021249W	Bypass coronary artery, three arteries from aorta with autologous venous tissue, percutaneous endoscopic approach	02HX42Z	Insertion of monitoring device into thoracic aorta, ascending/arch, percutaneous endoscopic approach



02124A3	Bypass coronary artery, three arteries from coronary artery with autologous arterial tissue, percutaneous endoscopic approach	02HX4DZ	Insertion of intraluminal device into thoracic aorta, ascending/arch, percutaneous endoscopic approach
02124A8	Bypass coronary artery, three arteries from right internal mammary with autologous arterial tissue, percutaneous endoscopic approach	02L70CK	Occlusion of left atrial appendage with extraluminal device, open approach
02124A9	Bypass coronary artery, three arteries from left internal mammary with autologous arterial tissue, percutaneous endoscopic approach	02L70DK	Occlusion of left atrial appendage with intraluminal device, open approach
02124AC	Bypass coronary artery, three arteries from thoracic artery with autologous arterial tissue, percutaneous endoscopic approach	02L70ZK	Occlusion of left atrial appendage, open approach
02124AF	Bypass coronary artery, three arteries from abdominal artery with autologous arterial tissue, percutaneous endoscopic approach	02L73CK	Occlusion of left atrial appendage with extraluminal device, percutaneous approach
02124AW	Bypass coronary artery, three arteries from aorta with autologous arterial tissue, percutaneous endoscopic approach	02L73DK	Occlusion of left atrial appendage with intraluminal device, percutaneous approach
02124D4	Bypass coronary artery, three arteries from coronary vein with intraluminal device, percutaneous endoscopic approach	02L73ZK	Occlusion of left atrial appendage, percutaneous approach
02124J3	Bypass coronary artery, three arteries from coronary artery with synthetic substitute, percutaneous endoscopic approach	02L74CK	Occlusion of left atrial appendage with extraluminal device, percutaneous endoscopic approach
02124J8	Bypass coronary artery, three arteries from right internal mammary with synthetic substitute, percutaneous endoscopic approach	02L74DK	Occlusion of left atrial appendage with intraluminal device, percutaneous endoscopic approach
02124J9	Bypass coronary artery, three arteries from left internal mammary with synthetic substitute, percutaneous endoscopic approach	02L74ZK	Occlusion of left atrial appendage, percutaneous endoscopic approach
02124JC	Bypass coronary artery, three arteries from thoracic artery with synthetic substitute, percutaneous endoscopic approach	02LQ0CZ	Occlusion of right pulmonary artery with extraluminal device, open approach

02124JF	Bypass coronary artery, three arteries from abdominal artery with synthetic substitute, percutaneous endoscopic approach	02LQ0DZ	Occlusion of right pulmonary artery with intraluminal device, open approach
02124JW	Bypass coronary artery, three arteries from aorta with synthetic substitute, percutaneous endoscopic approach	02LQ0ZZ	Occlusion of right pulmonary artery, open approach
02124K3	Bypass coronary artery, three arteries from coronary artery with nonautologous tissue substitute, percutaneous endoscopic approach	02LQ3CZ	Occlusion of right pulmonary artery with extraluminal device, percutaneous approach
02124K8	Bypass coronary artery, three arteries from right internal mammary with nonautologous tissue substitute, percutaneous endoscopic approach	02LQ3DZ	Occlusion of right pulmonary artery with intraluminal device, percutaneous approach
02124K9	Bypass coronary artery, three arteries from left internal mammary with nonautologous tissue substitute, percutaneous endoscopic approach	02LQ3ZZ	Occlusion of right pulmonary artery, percutaneous approach
02124KC	Bypass coronary artery, three arteries from thoracic artery with nonautologous tissue substitute, percutaneous endoscopic approach	02LQ4CZ	Occlusion of right pulmonary artery with extraluminal device, percutaneous endoscopic approach
02124KF	Bypass coronary artery, three arteries from abdominal artery with nonautologous tissue substitute, percutaneous endoscopic approach	02LQ4DZ	Occlusion of right pulmonary artery with intraluminal device, percutaneous endoscopic approach
02124KW	Bypass coronary artery, three arteries from aorta with nonautologous tissue substitute, percutaneous endoscopic approach	02LQ4ZZ	Occlusion of right pulmonary artery, percutaneous endoscopic approach
02124Z3	Bypass coronary artery, three arteries from coronary artery, percutaneous endoscopic approach	02LR0CZ	Occlusion of left pulmonary artery with extraluminal device, open approach
02124Z8	Bypass coronary artery, three arteries from right internal mammary, percutaneous endoscopic approach	02LR0DZ	Occlusion of left pulmonary artery with intraluminal device, open approach
02124Z9	Bypass coronary artery, three arteries from left internal mammary, percutaneous endoscopic approach	02LR0ZT	Occlusion of ductus arteriosus, open approach
02124ZC	Bypass coronary artery, three arteries from thoracic artery, percutaneous endoscopic approach	02LR0ZZ	Occlusion of left pulmonary artery, open approach

02124ZF	Bypass coronary artery, three arteries from abdominal artery, percutaneous endoscopic approach	02LR3CZ	Occlusion of left pulmonary artery with extraluminal device, percutaneous approach
0213083	Bypass coronary artery, four or more arteries from coronary artery with zooplastic tissue, open approach	02LR3DZ	Occlusion of left pulmonary artery with intraluminal device, percutaneous approach
0213088	Bypass coronary artery, four or more arteries from right internal mammary with zooplastic tissue, open approach	02LR3ZZ	Occlusion of left pulmonary artery, percutaneous approach
0213089	Bypass coronary artery, four or more arteries from left internal mammary with zooplastic tissue, open approach	02LR4CZ	Occlusion of left pulmonary artery with extraluminal device, percutaneous endoscopic approach
021308C	Bypass coronary artery, four or more arteries from thoracic artery with zooplastic tissue, open approach	02LR4DZ	Occlusion of left pulmonary artery with intraluminal device, percutaneous endoscopic approach
021308F	Bypass coronary artery, four or more arteries from abdominal artery with zooplastic tissue, open approach	02LR4ZZ	Occlusion of left pulmonary artery, percutaneous endoscopic approach
021308W	Bypass coronary artery, four or more arteries from aorta with zooplastic tissue, open approach	02LS0ZZ	Occlusion of right pulmonary vein, open approach
0213093	Bypass coronary artery, four or more arteries from coronary artery with autologous venous tissue, open approach	02LT0ZZ	Occlusion of left pulmonary vein, open approach
0213098	Bypass coronary artery, four or more arteries from right internal mammary with autologous venous tissue, open approach	02N00ZZ	Release coronary artery, one artery, open approach
0213099	Bypass coronary artery, four or more arteries from left internal mammary with autologous venous tissue, open approach	02N03ZZ	Release coronary artery, one artery, percutaneous approach
021309C	Bypass coronary artery, four or more arteries from thoracic artery with autologous venous tissue, open approach	02N04ZZ	Release coronary artery, one artery, percutaneous endoscopic approach
021309F	Bypass coronary artery, four or more arteries from abdominal artery with autologous venous tissue, open approach	02N10ZZ	Release coronary artery, two arteries, open approach
021309W	Bypass coronary artery, four or more arteries from aorta with autologous venous tissue, open approach	02N13ZZ	Release coronary artery, two arteries, percutaneous approach

02130A3	Bypass coronary artery, four or more arteries from coronary artery with autologous arterial tissue, open approach	02N14ZZ	Release coronary artery, two arteries, percutaneous endoscopic approach
02130A8	Bypass coronary artery, four or more arteries from right internal mammary with autologous arterial tissue, open approach	02N20ZZ	Release coronary artery, three arteries, open approach
02130A9	Bypass coronary artery, four or more arteries from left internal mammary with autologous arterial tissue, open approach	02N23ZZ	Release coronary artery, three arteries, percutaneous approach
02130AC	Bypass coronary artery, four or more arteries from thoracic artery with autologous arterial tissue, open approach	02N24ZZ	Release coronary artery, three arteries, percutaneous endoscopic approach
02130AF	Bypass coronary artery, four or more arteries from abdominal artery with autologous arterial tissue, open approach	02N30ZZ	Release coronary artery, four or more arteries, open approach
02130AW	Bypass coronary artery, four or more arteries from aorta with autologous arterial tissue, open approach	02N33ZZ	Release coronary artery, four or more arteries, percutaneous approach
02130J3	Bypass coronary artery, four or more arteries from coronary artery with synthetic substitute, open approach	02N34ZZ	Release coronary artery, four or more arteries, percutaneous endoscopic approach
02130J8	Bypass coronary artery, four or more arteries from right internal mammary with synthetic substitute, open approach	02N50ZZ	Release atrial septum, open approach
02130J9	Bypass coronary artery, four or more arteries from left internal mammary with synthetic substitute, open approach	02N53ZZ	Release atrial septum, percutaneous approach
02130JC	Bypass coronary artery, four or more arteries from thoracic artery with synthetic substitute, open approach	02N54ZZ	Release atrial septum, percutaneous endoscopic approach
02130JF	Bypass coronary artery, four or more arteries from abdominal artery with synthetic substitute, open approach	02N90ZZ	Release chordae tendineae, open approach
02130JW	Bypass coronary artery, four or more arteries from aorta with synthetic substitute, open approach	02N93ZZ	Release chordae tendineae, percutaneous approach

02130K3	Bypass coronary artery, four or more arteries from coronary artery with nonautologous tissue substitute, open approach	02N94ZZ	Release chordae tendineae, percutaneous endoscopic approach
02130K8	Bypass coronary artery, four or more arteries from right internal mammary with nonautologous tissue substitute, open approach	02ND0ZZ	Release papillary muscle, open approach
02130K9	Bypass coronary artery, four or more arteries from left internal mammary with nonautologous tissue substitute, open approach	02ND3ZZ	Release papillary muscle, percutaneous approach
02130KC	Bypass coronary artery, four or more arteries from thoracic artery with nonautologous tissue substitute, open approach	02ND4ZZ	Release papillary muscle, percutaneous endoscopic approach
02130KF	Bypass coronary artery, four or more arteries from abdominal artery with nonautologous tissue substitute, open approach	02NF0ZZ	Release aortic valve, open approach
02130KW	Bypass coronary artery, four or more arteries from aorta with nonautologous tissue substitute, open approach	02NF3ZZ	Release aortic valve, percutaneous approach
02130Z3	Bypass coronary artery, four or more arteries from coronary artery, open approach	02NF4ZZ	Release aortic valve, percutaneous endoscopic approach
02130Z8	Bypass coronary artery, four or more arteries from right internal mammary, open approach	02NG0ZZ	Release mitral valve, open approach
02130Z9	Bypass coronary artery, four or more arteries from left internal mammary, open approach	02NG3ZZ	Release mitral valve, percutaneous approach
02130ZC	Bypass coronary artery, four or more arteries from thoracic artery, open approach	02NG4ZZ	Release mitral valve, percutaneous endoscopic approach
02130ZF	Bypass coronary artery, four or more arteries from abdominal artery, open approach	02NH0ZZ	Release pulmonary valve, open approach
0213344	Bypass coronary artery, four or more arteries from coronary vein with drug-eluting intraluminal device, percutaneous approach	02NH3ZZ	Release pulmonary valve, percutaneous approach

02133D4	Bypass coronary artery, four or more arteries from coronary vein with intraluminal device, percutaneous approach	02NH4ZZ	Release pulmonary valve, percutaneous endoscopic approach
0213444	Bypass coronary artery, four or more arteries from coronary vein with drug-eluting intraluminal device, percutaneous endoscopic approach	02NJ0ZZ	Release tricuspid valve, open approach
0213483	Bypass coronary artery, four or more arteries from coronary artery with zooplastic tissue, percutaneous endoscopic approach	02NJ3ZZ	Release tricuspid valve, percutaneous approach
0213488	Bypass coronary artery, four or more arteries from right internal mammary with zooplastic tissue, percutaneous endoscopic approach	02NJ4ZZ	Release tricuspid valve, percutaneous endoscopic approach
0213489	Bypass coronary artery, four or more arteries from left internal mammary with zooplastic tissue, percutaneous endoscopic approach	02NK0ZZ	Release right ventricle, open approach
021348C	Bypass coronary artery, four or more arteries from thoracic artery with zooplastic tissue, percutaneous endoscopic approach	02NK3ZZ	Release right ventricle, percutaneous approach
021348F	Bypass coronary artery, four or more arteries from abdominal artery with zooplastic tissue, percutaneous endoscopic approach	02NK4ZZ	Release right ventricle, percutaneous endoscopic approach
021348W	Bypass coronary artery, four or more arteries from aorta with zooplastic tissue, percutaneous endoscopic approach	02NL0ZZ	Release left ventricle, open approach
0213493	Bypass coronary artery, four or more arteries from coronary artery with autologous venous tissue, percutaneous endoscopic approach	02NL3ZZ	Release left ventricle, percutaneous approach
0213498	Bypass coronary artery, four or more arteries from right internal mammary with autologous venous tissue, percutaneous endoscopic approach	02NL4ZZ	Release left ventricle, percutaneous endoscopic approach
0213499	Bypass coronary artery, four or more arteries from left internal mammary with autologous venous tissue, percutaneous endoscopic approach	02NM0ZZ	Release ventricular septum, open approach

021349C	Bypass coronary artery, four or more arteries from thoracic artery with autologous venous tissue, percutaneous endoscopic approach	02NM3ZZ	Release ventricular septum, percutaneous approach
021349F	Bypass coronary artery, four or more arteries from abdominal artery with autologous venous tissue, percutaneous endoscopic approach	02NM4ZZ	Release ventricular septum, percutaneous endoscopic approach
021349W	Bypass coronary artery, four or more arteries from aorta with autologous venous tissue, percutaneous endoscopic approach	02PA0MZ	Removal of cardiac lead from heart, open approach
02134A3	Bypass coronary artery, four or more arteries from coronary artery with autologous arterial tissue, percutaneous endoscopic approach	02PA0NZ	Removal of intracardiac pacemaker from heart, open approach
02134A8	Bypass coronary artery, four or more arteries from right internal mammary with autologous arterial tissue, percutaneous endoscopic approach	02PA0QZ	Removal of implantable heart assist system from heart, open approach
02134A9	Bypass coronary artery, four or more arteries from left internal mammary with autologous arterial tissue, percutaneous endoscopic approach	02PA0RS	Removal of biventricular short-term external heart assist system from heart, open approach
02134AC	Bypass coronary artery, four or more arteries from thoracic artery with autologous arterial tissue, percutaneous endoscopic approach	02PA0RZ	Removal of short-term external heart assist system from heart, open approach
02134AF	Bypass coronary artery, four or more arteries from abdominal artery with autologous arterial tissue, percutaneous endoscopic approach	02PA3MZ	Removal of cardiac lead from heart, percutaneous approach
02134AW	Bypass coronary artery, four or more arteries from aorta with autologous arterial tissue, percutaneous endoscopic approach	02PA3QZ	Removal of implantable heart assist system from heart, percutaneous approach
02134D4	Bypass coronary artery, four or more arteries from coronary vein with intraluminal device, percutaneous endoscopic approach	02PA3RS	Removal of biventricular short-term external heart assist system from heart, percutaneous approach
02134J3	Bypass coronary artery, four or more arteries from coronary artery with synthetic substitute, percutaneous endoscopic approach	02PA3RZ	Removal of short-term external heart assist system from heart, percutaneous approach

02134J8	Bypass coronary artery, four or more arteries from right internal mammary with synthetic substitute, percutaneous endoscopic approach	02PA4MZ	Removal of cardiac lead from heart, percutaneous endoscopic approach
02134J9	Bypass coronary artery, four or more arteries from left internal mammary with synthetic substitute, percutaneous endoscopic approach	02PA4NZ	Removal of intracardiac pacemaker from heart, percutaneous endoscopic approach
02134JC	Bypass coronary artery, four or more arteries from thoracic artery with synthetic substitute, percutaneous endoscopic approach	02PA4QZ	Removal of implantable heart assist system from heart, percutaneous endoscopic approach
02134JF	Bypass coronary artery, four or more arteries from abdominal artery with synthetic substitute, percutaneous endoscopic approach	02PA4RS	Removal of biventricular short-term external heart assist system from heart, percutaneous endoscopic approach
02134JW	Bypass coronary artery, four or more arteries from aorta with synthetic substitute, percutaneous endoscopic approach	02PA4RZ	Removal of short-term external heart assist system from heart, percutaneous endoscopic approach
02134K3	Bypass coronary artery, four or more arteries from coronary artery with nonautologous tissue substitute, percutaneous endoscopic approach	02PAXMZ	Removal of cardiac lead from heart, external approach
02134K8	Bypass coronary artery, four or more arteries from right internal mammary with nonautologous tissue substitute, percutaneous endoscopic approach	02Q00ZZ	Repair coronary artery, one artery, open approach
02134K9	Bypass coronary artery, four or more arteries from left internal mammary with nonautologous tissue substitute, percutaneous endoscopic approach	02Q03ZZ	Repair coronary artery, one artery, percutaneous approach
02134KC	Bypass coronary artery, four or more arteries from thoracic artery with nonautologous tissue substitute, percutaneous endoscopic approach	02Q04ZZ	Repair coronary artery, one artery, percutaneous endoscopic approach
02134KF	Bypass coronary artery, four or more arteries from abdominal artery with nonautologous tissue substitute, percutaneous endoscopic approach	02Q10ZZ	Repair coronary artery, two arteries, open approach
02134KW	Bypass coronary artery, four or more arteries from aorta with nonautologous tissue substitute, percutaneous endoscopic approach	02Q13ZZ	Repair coronary artery, two arteries, percutaneous approach



02134Z3	Bypass coronary artery, four or more arteries from coronary artery, percutaneous endoscopic approach	02Q14ZZ	Repair coronary artery, two arteries, percutaneous endoscopic approach
02134Z8	Bypass coronary artery, four or more arteries from right internal mammary, percutaneous endoscopic approach	02Q20ZZ	Repair coronary artery, three arteries, open approach
02134Z9	Bypass coronary artery, four or more arteries from left internal mammary, percutaneous endoscopic approach	02Q23ZZ	Repair coronary artery, three arteries, percutaneous approach
02134ZC	Bypass coronary artery, four or more arteries from thoracic artery, percutaneous endoscopic approach	02Q24ZZ	Repair coronary artery, three arteries, percutaneous endoscopic approach
02134ZF	Bypass coronary artery, four or more arteries from abdominal artery, percutaneous endoscopic approach	02Q30ZZ	Repair coronary artery, four or more arteries, open approach
021608P	Bypass right atrium to pulmonary trunk with zooplastic tissue, open approach	02Q33ZZ	Repair coronary artery, four or more arteries, percutaneous approach
021608Q	Bypass right atrium to right pulmonary artery with zooplastic tissue, open approach	02Q34ZZ	Repair coronary artery, four or more arteries, percutaneous endoscopic approach
021608R	Bypass right atrium to left pulmonary artery with zooplastic tissue, open approach	02Q40ZZ	Repair coronary vein, open approach
021609P	Bypass right atrium to pulmonary trunk with autologous venous tissue, open approach	02Q43ZZ	Repair coronary vein, percutaneous approach
021609Q	Bypass right atrium to right pulmonary artery with autologous venous tissue, open approach	02Q44ZZ	Repair coronary vein, percutaneous endoscopic approach
021609R	Bypass right atrium to left pulmonary artery with autologous venous tissue, open approach	02Q50ZZ	Repair atrial septum, open approach
02160AP	Bypass right atrium to pulmonary trunk with autologous arterial tissue, open approach	02Q53ZZ	Repair atrial septum, percutaneous approach
02160AQ	Bypass right atrium to right pulmonary artery with autologous arterial tissue, open approach	02Q54ZZ	Repair atrial septum, percutaneous endoscopic approach
02160AR	Bypass right atrium to left pulmonary artery with autologous arterial tissue, open approach	02Q70ZZ	Repair left atrium, open approach
02160JP	Bypass right atrium to pulmonary trunk with synthetic substitute, open approach	02Q73ZZ	Repair left atrium, percutaneous approach

02160JQ	Bypass right atrium to right pulmonary artery with synthetic substitute, open approach	02Q74ZZ	Repair left atrium, percutaneous endoscopic approach
02160JR	Bypass right atrium to left pulmonary artery with synthetic substitute, open approach	02Q90ZZ	Repair chordae tendineae, open approach
02160KP	Bypass right atrium to pulmonary trunk with nonautologous tissue substitute, open approach	02Q93ZZ	Repair chordae tendineae, percutaneous approach
02160KQ	Bypass right atrium to right pulmonary artery with nonautologous tissue substitute, open approach	02Q94ZZ	Repair chordae tendineae, percutaneous endoscopic approach
02160KR	Bypass right atrium to left pulmonary artery with nonautologous tissue substitute, open approach	02QA0ZZ	Repair heart, open approach
02160Z7	Bypass right atrium to left atrium, open approach	02QA3ZZ	Repair heart, percutaneous approach
02160ZP	Bypass right atrium to pulmonary trunk, open approach	02QA4ZZ	Repair heart, percutaneous endoscopic approach
02160ZQ	Bypass right atrium to right pulmonary artery, open approach	02QB0ZZ	Repair right heart, open approach
02160ZR	Bypass right atrium to left pulmonary artery, open approach	02QB3ZZ	Repair right heart, percutaneous approach
02163Z7	Bypass right atrium to left atrium, percutaneous approach	02QB4ZZ	Repair right heart, percutaneous endoscopic approach
021648P	Bypass right atrium to pulmonary trunk with zooplastic tissue, percutaneous endoscopic approach	02QC0ZZ	Repair left heart, open approach
021648Q	Bypass right atrium to right pulmonary artery with zooplastic tissue, percutaneous endoscopic approach	02QC3ZZ	Repair left heart, percutaneous approach
021648R	Bypass right atrium to left pulmonary artery with zooplastic tissue, percutaneous endoscopic approach	02QC4ZZ	Repair left heart, percutaneous endoscopic approach
021649P	Bypass right atrium to pulmonary trunk with autologous venous tissue, percutaneous endoscopic approach	02QD0ZZ	Repair papillary muscle, open approach
021649Q	Bypass right atrium to right pulmonary artery with autologous venous tissue, percutaneous endoscopic approach	02QD3ZZ	Repair papillary muscle, percutaneous approach
021649R	Bypass right atrium to left pulmonary artery with autologous venous tissue, percutaneous endoscopic approach	02QD4ZZ	Repair papillary muscle, percutaneous endoscopic approach

02164AP	Bypass right atrium to pulmonary trunk with autologous arterial tissue, percutaneous endoscopic approach	02QF0ZJ	Repair aortic valve created from truncal valve, open approach
02164AQ	Bypass right atrium to right pulmonary artery with autologous arterial tissue, percutaneous endoscopic approach	02QF0ZZ	Repair aortic valve, open approach
02164AR	Bypass right atrium to left pulmonary artery with autologous arterial tissue, percutaneous endoscopic approach	02QF3ZJ	Repair aortic valve created from truncal valve, percutaneous approach
02164JP	Bypass right atrium to pulmonary trunk with synthetic substitute, percutaneous endoscopic approach	02QF3ZZ	Repair aortic valve, percutaneous approach
02164JQ	Bypass right atrium to right pulmonary artery with synthetic substitute, percutaneous endoscopic approach	02QF4ZJ	Repair aortic valve created from truncal valve, percutaneous endoscopic approach
02164JR	Bypass right atrium to left pulmonary artery with synthetic substitute, percutaneous endoscopic approach	02QF4ZZ	Repair aortic valve, percutaneous endoscopic approach
02164KP	Bypass right atrium to pulmonary trunk with nonautologous tissue substitute, percutaneous endoscopic approach	02QG0ZE	Repair mitral valve created from left atrioventricular valve, open approach
02164KQ	Bypass right atrium to right pulmonary artery with nonautologous tissue substitute, percutaneous endoscopic approach	02QG0ZZ	Repair mitral valve, open approach
02164KR	Bypass right atrium to left pulmonary artery with nonautologous tissue substitute, percutaneous endoscopic approach	02QG3ZE	Repair mitral valve created from left atrioventricular valve, percutaneous approach
02164Z7	Bypass right atrium to left atrium, percutaneous endoscopic approach	02QG3ZZ	Repair mitral valve, percutaneous approach
02164ZP	Bypass right atrium to pulmonary trunk, percutaneous endoscopic approach	02QG4ZE	Repair mitral valve created from left atrioventricular valve, percutaneous endoscopic approach
02164ZQ	Bypass right atrium to right pulmonary artery, percutaneous endoscopic approach	02QG4ZZ	Repair mitral valve, percutaneous endoscopic approach
02164ZR	Bypass right atrium to left pulmonary artery, percutaneous endoscopic approach	02QH0ZZ	Repair pulmonary valve, open approach
021708P	Bypass left atrium to pulmonary trunk with zooplastic tissue, open approach	02QH3ZZ	Repair pulmonary valve, percutaneous approach
021708Q	Bypass left atrium to right pulmonary artery with zooplastic tissue, open approach	02QH4ZZ	Repair pulmonary valve, percutaneous endoscopic approach

021708R	Bypass left atrium to left pulmonary artery with zooplastic tissue, open approach	02QJ0ZG	Repair tricuspid valve created from right atrioventricular valve, open approach
021709P	Bypass left atrium to pulmonary trunk with autologous venous tissue, open approach	02QJ0ZZ	Repair tricuspid valve, open approach
021709Q	Bypass left atrium to right pulmonary artery with autologous venous tissue, open approach	02QJ3ZG	Repair tricuspid valve created from right atrioventricular valve, percutaneous approach
021709R	Bypass left atrium to left pulmonary artery with autologous venous tissue, open approach	02QJ3ZZ	Repair tricuspid valve, percutaneous approach
021709S	Bypass left atrium to right pulmonary vein with autologous venous tissue, open approach	02QJ4ZG	Repair tricuspid valve created from right atrioventricular valve, percutaneous endoscopic approach
021709T	Bypass left atrium to left pulmonary vein with autologous venous tissue, open approach	02QJ4ZZ	Repair tricuspid valve, percutaneous endoscopic approach
021709U	Bypass left atrium to pulmonary vein confluence with autologous venous tissue, open approach	02QM0ZZ	Repair ventricular septum, open approach
02170AP	Bypass left atrium to pulmonary trunk with autologous arterial tissue, open approach	02QM3ZZ	Repair ventricular septum, percutaneous approach
02170AQ	Bypass left atrium to right pulmonary artery with autologous arterial tissue, open approach	02QM4ZZ	Repair ventricular septum, percutaneous endoscopic approach
02170AR	Bypass left atrium to left pulmonary artery with autologous arterial tissue, open approach	02R907Z	Replacement of chordae tendineae with autologous tissue substitute, open approach
02170AS	Bypass left atrium to right pulmonary vein with autologous arterial tissue, open approach	02R908Z	Replacement of chordae tendineae with zooplastic tissue, open approach
02170AT	Bypass left atrium to left pulmonary vein with autologous arterial tissue, open approach	02R90JZ	Replacement of chordae tendineae with synthetic substitute, open approach
02170AU	Bypass left atrium to pulmonary vein confluence with autologous arterial tissue, open approach	02R90KZ	Replacement of chordae tendineae with nonautologous tissue substitute, open approach
02170JP	Bypass left atrium to pulmonary trunk with synthetic substitute, open approach	02R947Z	Replacement of chordae tendineae with autologous tissue substitute, percutaneous endoscopic approach
02170JQ	Bypass left atrium to right pulmonary artery with synthetic substitute, open approach	02R948Z	Replacement of chordae tendineae with zooplastic tissue, percutaneous endoscopic approach

02170JR	Bypass left atrium to left pulmonary artery with synthetic substitute, open approach	02R94JZ	Replacement of chordae tendineae with synthetic substitute, percutaneous endoscopic approach
02170JS	Bypass left atrium to right pulmonary vein with synthetic substitute, open approach	02R94KZ	Replacement of chordae tendineae with nonautologous tissue substitute, percutaneous endoscopic approach
02170JT	Bypass left atrium to left pulmonary vein with synthetic substitute, open approach	02RD07Z	Replacement of papillary muscle with autologous tissue substitute, open approach
02170JU	Bypass left atrium to pulmonary vein confluence with synthetic substitute, open approach	02RD08Z	Replacement of papillary muscle with zooplastic tissue, open approach
02170KP	Bypass left atrium to pulmonary trunk with nonautologous tissue substitute, open approach	02RD0JZ	Replacement of papillary muscle with synthetic substitute, open approach
02170KQ	Bypass left atrium to right pulmonary artery with nonautologous tissue substitute, open approach	02RD0KZ	Replacement of papillary muscle with nonautologous tissue substitute, open approach
02170KR	Bypass left atrium to left pulmonary artery with nonautologous tissue substitute, open approach	02RD47Z	Replacement of papillary muscle with autologous tissue substitute, percutaneous endoscopic approach
02170KS	Bypass left atrium to right pulmonary vein with nonautologous tissue substitute, open approach	02RD48Z	Replacement of papillary muscle with zooplastic tissue, percutaneous endoscopic approach
02170KT	Bypass left atrium to left pulmonary vein with nonautologous tissue substitute, open approach	02RD4JZ	Replacement of papillary muscle with synthetic substitute, percutaneous endoscopic approach
02170KU	Bypass left atrium to pulmonary vein confluence with nonautologous tissue substitute, open approach	02RD4KZ	Replacement of papillary muscle with nonautologous tissue substitute, percutaneous endoscopic approach
02170ZP	Bypass left atrium to pulmonary trunk, open approach	02RF07Z	Replacement of aortic valve with autologous tissue substitute, open approach
02170ZQ	Bypass left atrium to right pulmonary artery, open approach	02RF08Z	Replacement of aortic valve with zooplastic tissue, open approach
02170ZR	Bypass left atrium to left pulmonary artery, open approach	02RF0JZ	Replacement of aortic valve with synthetic substitute, open approach
02170ZS	Bypass left atrium to right pulmonary vein, open approach	02RF0KZ	Replacement of aortic valve with nonautologous tissue substitute, open approach
02170ZT	Bypass left atrium to left pulmonary vein, open approach	02RF37H	Replacement of aortic valve with autologous tissue substitute, transapical, percutaneous approach

02170ZU	Bypass left atrium to pulmonary vein confluence, open approach	02RF37Z	Replacement of aortic valve with autologous tissue substitute, percutaneous approach
021748P	Bypass left atrium to pulmonary trunk with zooplastic tissue, percutaneous endoscopic approach	02RF38H	Replacement of aortic valve with zooplastic tissue, transapical, percutaneous approach
021748Q	Bypass left atrium to right pulmonary artery with zooplastic tissue, percutaneous endoscopic approach	02RF38Z	Replacement of aortic valve with zooplastic tissue, percutaneous approach
021748R	Bypass left atrium to left pulmonary artery with zooplastic tissue, percutaneous endoscopic approach	02RF3JH	Replacement of aortic valve with synthetic substitute, transapical, percutaneous approach
021749P	Bypass left atrium to pulmonary trunk with autologous venous tissue, percutaneous endoscopic approach	02RF3JZ	Replacement of aortic valve with synthetic substitute, percutaneous approach
021749Q	Bypass left atrium to right pulmonary artery with autologous venous tissue, percutaneous endoscopic approach	02RF3KH	Replacement of aortic valve with nonautologous tissue substitute, transapical, percutaneous approach
021749R	Bypass left atrium to left pulmonary artery with autologous venous tissue, percutaneous endoscopic approach	02RF3KZ	Replacement of aortic valve with nonautologous tissue substitute, percutaneous approach
021749S	Bypass left atrium to right pulmonary vein with autologous venous tissue, percutaneous endoscopic approach	02RF47Z	Replacement of aortic valve with autologous tissue substitute, percutaneous endoscopic approach
021749T	Bypass left atrium to left pulmonary vein with autologous venous tissue, percutaneous endoscopic approach	02RF48Z	Replacement of aortic valve with zooplastic tissue, percutaneous endoscopic approach
021749U	Bypass left atrium to pulmonary vein confluence with autologous venous tissue, percutaneous endoscopic approach	02RF4JZ	Replacement of aortic valve with synthetic substitute, percutaneous endoscopic approach
02174AP	Bypass left atrium to pulmonary trunk with autologous arterial tissue, percutaneous endoscopic approach	02RF4KZ	Replacement of aortic valve with nonautologous tissue substitute, percutaneous endoscopic approach
02174AQ	Bypass left atrium to right pulmonary artery with autologous arterial tissue, percutaneous endoscopic approach	02RG07Z	Replacement of mitral valve with autologous tissue substitute, open approach
02174AR	Bypass left atrium to left pulmonary artery with autologous arterial tissue, percutaneous endoscopic approach	02RG08Z	Replacement of mitral valve with zooplastic tissue, open approach
02174AS	Bypass left atrium to right pulmonary vein with autologous arterial tissue, percutaneous endoscopic approach	02RG0JZ	Replacement of mitral valve with synthetic substitute, open approach

02174AT	Bypass left atrium to left pulmonary vein with autologous arterial tissue, percutaneous endoscopic approach	02RG0KZ	Replacement of mitral valve with nonautologous tissue substitute, open approach
02174AU	Bypass left atrium to pulmonary vein confluence with autologous arterial tissue, percutaneous endoscopic approach	02RG37H	Replacement of mitral valve with autologous tissue substitute, transapical, percutaneous approach
02174JP	Bypass left atrium to pulmonary trunk with synthetic substitute, percutaneous endoscopic approach	02RG37Z	Replacement of mitral valve with autologous tissue substitute, percutaneous approach
02174JQ	Bypass left atrium to right pulmonary artery with synthetic substitute, percutaneous endoscopic approach	02RG38H	Replacement of mitral valve with zooplastic tissue, transapical, percutaneous approach
02174JR	Bypass left atrium to left pulmonary artery with synthetic substitute, percutaneous endoscopic approach	02RG38Z	Replacement of mitral valve with zooplastic tissue, percutaneous approach
02174JS	Bypass left atrium to right pulmonary vein with synthetic substitute, percutaneous endoscopic approach	02RG3JH	Replacement of mitral valve with synthetic substitute, transapical, percutaneous approach
02174JT	Bypass left atrium to left pulmonary vein with synthetic substitute, percutaneous endoscopic approach	02RG3JZ	Replacement of mitral valve with synthetic substitute, percutaneous approach
02174JU	Bypass left atrium to pulmonary vein confluence with synthetic substitute, percutaneous endoscopic approach	02RG3KH	Replacement of mitral valve with nonautologous tissue substitute, transapical, percutaneous approach
02174KP	Bypass left atrium to pulmonary trunk with nonautologous tissue substitute, percutaneous endoscopic approach	02RG3KZ	Replacement of mitral valve with nonautologous tissue substitute, percutaneous approach
02174KQ	Bypass left atrium to right pulmonary artery with nonautologous tissue substitute, percutaneous endoscopic approach	02RG47Z	Replacement of mitral valve with autologous tissue substitute, percutaneous endoscopic approach
02174KR	Bypass left atrium to left pulmonary artery with nonautologous tissue substitute, percutaneous endoscopic approach	02RG48Z	Replacement of mitral valve with zooplastic tissue, percutaneous endoscopic approach
02174KS	Bypass left atrium to right pulmonary vein with nonautologous tissue substitute, percutaneous endoscopic approach	02RG4JZ	Replacement of mitral valve with synthetic substitute, percutaneous endoscopic approach
02174KT	Bypass left atrium to left pulmonary vein with nonautologous tissue substitute, percutaneous endoscopic approach	02RG4KZ	Replacement of mitral valve with nonautologous tissue substitute, percutaneous endoscopic approach

02174KU	Bypass left atrium to pulmonary vein confluence with nonautologous tissue substitute, percutaneous endoscopic approach	02RH07Z	Replacement of pulmonary valve with autologous tissue substitute, open approach
02174ZP	Bypass left atrium to pulmonary trunk, percutaneous endoscopic approach	02RH08Z	Replacement of pulmonary valve with zooplastic tissue, open approach
02174ZQ	Bypass left atrium to right pulmonary artery, percutaneous endoscopic approach	02RH0JZ	Replacement of pulmonary valve with synthetic substitute, open approach
02174ZR	Bypass left atrium to left pulmonary artery, percutaneous endoscopic approach	02RH0KZ	Replacement of pulmonary valve with nonautologous tissue substitute, open approach
02174ZS	Bypass left atrium to right pulmonary vein, percutaneous endoscopic approach	02RH37H	Replacement of pulmonary valve with autologous tissue substitute, transapical, percutaneous approach
02174ZT	Bypass left atrium to left pulmonary vein, percutaneous endoscopic approach	02RH37Z	Replacement of pulmonary valve with autologous tissue substitute, percutaneous approach
02174ZU	Bypass left atrium to pulmonary vein confluence, percutaneous endoscopic approach	02RH38H	Replacement of pulmonary valve with zooplastic tissue, transapical, percutaneous approach
021K08P	Bypass right ventricle to pulmonary trunk with zooplastic tissue, open approach	02RH38Z	Replacement of pulmonary valve with zooplastic tissue, percutaneous approach
021K08Q	Bypass right ventricle to right pulmonary artery with zooplastic tissue, open approach	02RH3JH	Replacement of pulmonary valve with synthetic substitute, transapical, percutaneous approach
021K08R	Bypass right ventricle to left pulmonary artery with zooplastic tissue, open approach	02RH3JZ	Replacement of pulmonary valve with synthetic substitute, percutaneous approach
021K09P	Bypass right ventricle to pulmonary trunk with autologous venous tissue, open approach	02RH3KH	Replacement of pulmonary valve with nonautologous tissue substitute, transapical, percutaneous approach
021K09Q	Bypass right ventricle to right pulmonary artery with autologous venous tissue, open approach	02RH3KZ	Replacement of pulmonary valve with nonautologous tissue substitute, percutaneous approach
021K09R	Bypass right ventricle to left pulmonary artery with autologous venous tissue, open approach	02RH47Z	Replacement of pulmonary valve with autologous tissue substitute, percutaneous endoscopic approach
021K0AP	Bypass right ventricle to pulmonary trunk with autologous arterial tissue, open approach	02RH48Z	Replacement of pulmonary valve with zooplastic tissue, percutaneous endoscopic approach
021K0AQ	Bypass right ventricle to right pulmonary artery with autologous arterial tissue, open approach	02RH4JZ	Replacement of pulmonary valve with synthetic substitute, percutaneous endoscopic approach



021K0AR	Bypass right ventricle to left pulmonary artery with autologous arterial tissue, open approach	02RH4KZ	Replacement of pulmonary valve with nonautologous tissue substitute, percutaneous endoscopic approach
021K0JP	Bypass right ventricle to pulmonary trunk with synthetic substitute, open approach	02RJ07Z	Replacement of tricuspid valve with autologous tissue substitute, open approach
021K0JQ	Bypass right ventricle to right pulmonary artery with synthetic substitute, open approach	02RJ08Z	Replacement of tricuspid valve with zooplastic tissue, open approach
021K0JR	Bypass right ventricle to left pulmonary artery with synthetic substitute, open approach	02RJ0JZ	Replacement of tricuspid valve with synthetic substitute, open approach
021K0KP	Bypass right ventricle to pulmonary trunk with nonautologous tissue substitute, open approach	02RJ0KZ	Replacement of tricuspid valve with nonautologous tissue substitute, open approach
021K0KQ	Bypass right ventricle to right pulmonary artery with nonautologous tissue substitute, open approach	02RJ37H	Replacement of tricuspid valve with autologous tissue substitute, transapical, percutaneous approach
021K0KR	Bypass right ventricle to left pulmonary artery with nonautologous tissue substitute, open approach	02RJ37Z	Replacement of tricuspid valve with autologous tissue substitute, percutaneous approach
021K0Z5	Bypass right ventricle to coronary circulation, open approach	02RJ38H	Replacement of tricuspid valve with zooplastic tissue, transapical, percutaneous approach
021K0Z8	Bypass right ventricle to right internal mammary, open approach	02RJ38Z	Replacement of tricuspid valve with zooplastic tissue, percutaneous approach
021K0Z9	Bypass right ventricle to left internal mammary, open approach	02RJ3JH	Replacement of tricuspid valve with synthetic substitute, transapical, percutaneous approach
021K0ZC	Bypass right ventricle to thoracic artery, open approach	02RJ3JZ	Replacement of tricuspid valve with synthetic substitute, percutaneous approach
021K0ZF	Bypass right ventricle to abdominal artery, open approach	02RJ3KH	Replacement of tricuspid valve with nonautologous tissue substitute, transapical, percutaneous approach
021K0ZP	Bypass right ventricle to pulmonary trunk, open approach	02RJ3KZ	Replacement of tricuspid valve with nonautologous tissue substitute, percutaneous approach
021K0ZQ	Bypass right ventricle to right pulmonary artery, open approach	02RJ47Z	Replacement of tricuspid valve with autologous tissue substitute, percutaneous endoscopic approach
021K0ZR	Bypass right ventricle to left pulmonary artery, open approach	02RJ48Z	Replacement of tricuspid valve with zooplastic tissue, percutaneous endoscopic approach

021K0ZW	Bypass right ventricle to aorta, open approach	02RJ4JZ	Replacement of tricuspid valve with synthetic substitute, percutaneous endoscopic approach
021K48P	Bypass right ventricle to pulmonary trunk with zooplastic tissue, percutaneous endoscopic approach	02RJ4KZ	Replacement of tricuspid valve with nonautologous tissue substitute, percutaneous endoscopic approach
021K48Q	Bypass right ventricle to right pulmonary artery with zooplastic tissue, percutaneous endoscopic approach	02RK07Z	Replacement of right ventricle with autologous tissue substitute, open approach
021K48R	Bypass right ventricle to left pulmonary artery with zooplastic tissue, percutaneous endoscopic approach	02RK0JZ	Replacement of right ventricle with synthetic substitute, open approach
021K49P	Bypass right ventricle to pulmonary trunk with autologous venous tissue, percutaneous endoscopic approach	02RK0KZ	Replacement of right ventricle with nonautologous tissue substitute, open approach
021K49Q	Bypass right ventricle to right pulmonary artery with autologous venous tissue, percutaneous endoscopic approach	02RK47Z	Replacement of right ventricle with autologous tissue substitute, percutaneous endoscopic approach
021K49R	Bypass right ventricle to left pulmonary artery with autologous venous tissue, percutaneous endoscopic approach	02RK4KZ	Replacement of right ventricle with nonautologous tissue substitute, percutaneous endoscopic approach
021K4AP	Bypass right ventricle to pulmonary trunk with autologous arterial tissue, percutaneous endoscopic approach	02RL07Z	Replacement of left ventricle with autologous tissue substitute, open approach
021K4AQ	Bypass right ventricle to right pulmonary artery with autologous arterial tissue, percutaneous endoscopic approach	02RL0JZ	Replacement of left ventricle with synthetic substitute, open approach
021K4AR	Bypass right ventricle to left pulmonary artery with autologous arterial tissue, percutaneous endoscopic approach	02RL0KZ	Replacement of left ventricle with nonautologous tissue substitute, open approach
021K4JP	Bypass right ventricle to pulmonary trunk with synthetic substitute, percutaneous endoscopic approach	02RL47Z	Replacement of left ventricle with autologous tissue substitute, percutaneous endoscopic approach
021K4JQ	Bypass right ventricle to right pulmonary artery with synthetic substitute, percutaneous endoscopic approach	02RL4KZ	Replacement of left ventricle with nonautologous tissue substitute, percutaneous endoscopic approach
021K4JR	Bypass right ventricle to left pulmonary artery with synthetic substitute, percutaneous endoscopic approach	02RM07Z	Replacement of ventricular septum with autologous tissue substitute, open approach

021K4KP	Bypass right ventricle to pulmonary trunk with nonautologous tissue substitute, percutaneous endoscopic approach	02RM0JZ	Replacement of ventricular septum with synthetic substitute, open approach
021K4KQ	Bypass right ventricle to right pulmonary artery with nonautologous tissue substitute, percutaneous endoscopic approach	02RM0KZ	Replacement of ventricular septum with nonautologous tissue substitute, open approach
021K4KR	Bypass right ventricle to left pulmonary artery with nonautologous tissue substitute, percutaneous endoscopic approach	02RM47Z	Replacement of ventricular septum with autologous tissue substitute, percutaneous endoscopic approach
021K4Z5	Bypass right ventricle to coronary circulation, percutaneous endoscopic approach	02RM4JZ	Replacement of ventricular septum with synthetic substitute, percutaneous endoscopic approach
021K4Z8	Bypass right ventricle to right internal mammary, percutaneous endoscopic approach	02RM4KZ	Replacement of ventricular septum with nonautologous tissue substitute, percutaneous endoscopic approach
021K4Z9	Bypass right ventricle to left internal mammary, percutaneous endoscopic approach	02RP0JZ	Replacement of pulmonary trunk with synthetic substitute, open approach
021K4ZC	Bypass right ventricle to thoracic artery, percutaneous endoscopic approach	02RQ07Z	Replacement of right pulmonary artery with autologous tissue substitute, open approach
021K4ZF	Bypass right ventricle to abdominal artery, percutaneous endoscopic approach	02RQ0JZ	Replacement of right pulmonary artery with synthetic substitute, open approach
021K4ZP	Bypass right ventricle to pulmonary trunk, percutaneous endoscopic approach	02RR07Z	Replacement of left pulmonary artery with autologous tissue substitute, open approach
021K4ZQ	Bypass right ventricle to right pulmonary artery, percutaneous endoscopic approach	02RR0JZ	Replacement of left pulmonary artery with synthetic substitute, open approach
021K4ZR	Bypass right ventricle to left pulmonary artery, percutaneous endoscopic approach	02SP0ZZ	Reposition pulmonary trunk, open approach
021K4ZW	Bypass right ventricle to aorta, percutaneous endoscopic approach	02SW0ZZ	Reposition thoracic aorta, descending, open approach
021L08P	Bypass left ventricle to pulmonary trunk with zooplastic tissue, open approach	02SX0ZZ	Reposition thoracic aorta, ascending/arch, open approach
021L08Q	Bypass left ventricle to right pulmonary artery with zooplastic tissue, open approach	02T50ZZ	Resection of atrial septum, open approach

021L08R	Bypass left ventricle to left pulmonary artery with zooplastic tissue, open approach	02T53ZZ	Resection of atrial septum, percutaneous approach
021L09P	Bypass left ventricle to pulmonary trunk with autologous venous tissue, open approach	02T54ZZ	Resection of atrial septum, percutaneous endoscopic approach
021L09Q	Bypass left ventricle to right pulmonary artery with autologous venous tissue, open approach	02T80ZZ	Resection of conduction mechanism, open approach
021L09R	Bypass left ventricle to left pulmonary artery with autologous venous tissue, open approach	02T83ZZ	Resection of conduction mechanism, percutaneous approach
021L0AP	Bypass left ventricle to pulmonary trunk with autologous arterial tissue, open approach	02T84ZZ	Resection of conduction mechanism, percutaneous endoscopic approach
021L0AQ	Bypass left ventricle to right pulmonary artery with autologous arterial tissue, open approach	02T90ZZ	Resection of chordae tendineae, open approach
021L0AR	Bypass left ventricle to left pulmonary artery with autologous arterial tissue, open approach	02T93ZZ	Resection of chordae tendineae, percutaneous approach
021L0JP	Bypass left ventricle to pulmonary trunk with synthetic substitute, open approach	02T94ZZ	Resection of chordae tendineae, percutaneous endoscopic approach
021L0JQ	Bypass left ventricle to right pulmonary artery with synthetic substitute, open approach	02TD0ZZ	Resection of papillary muscle, open approach
021L0JR	Bypass left ventricle to left pulmonary artery with synthetic substitute, open approach	02TD3ZZ	Resection of papillary muscle, percutaneous approach
021L0KP	Bypass left ventricle to pulmonary trunk with nonautologous tissue substitute, open approach	02TD4ZZ	Resection of papillary muscle, percutaneous endoscopic approach
021L0KQ	Bypass left ventricle to right pulmonary artery with nonautologous tissue substitute, open approach	02TH0ZZ	Resection of pulmonary valve, open approach
021L0KR	Bypass left ventricle to left pulmonary artery with nonautologous tissue substitute, open approach	02TH3ZZ	Resection of pulmonary valve, percutaneous approach
021L0Z5	Bypass left ventricle to coronary circulation, open approach	02TH4ZZ	Resection of pulmonary valve, percutaneous endoscopic approach
021L0Z8	Bypass left ventricle to right internal mammary, open approach	02TM0ZZ	Resection of ventricular septum, open approach
021L0Z9	Bypass left ventricle to left internal mammary, open approach	02TM3ZZ	Resection of ventricular septum, percutaneous approach

021L0ZC	Bypass left ventricle to thoracic artery, open approach	02TM4ZZ	Resection of ventricular septum, percutaneous endoscopic approach
021L0ZF	Bypass left ventricle to abdominal artery, open approach	02TN0ZZ	Resection of pericardium, open approach
021L0ZP	Bypass left ventricle to pulmonary trunk, open approach	02TN3ZZ	Resection of pericardium, percutaneous approach
021L0ZQ	Bypass left ventricle to right pulmonary artery, open approach	02TN4ZZ	Resection of pericardium, percutaneous endoscopic approach
021L0ZR	Bypass left ventricle to left pulmonary artery, open approach	02U007Z	Supplement coronary artery, one artery with autologous tissue substitute, open approach
021L0ZW	Bypass left ventricle to aorta, open approach	02U008Z	Supplement coronary artery, one artery with zooplastic tissue, open approach
021L48P	Bypass left ventricle to pulmonary trunk with zooplastic tissue, percutaneous endoscopic approach	02U00JZ	Supplement coronary artery, one artery with synthetic substitute, open approach
021L48Q	Bypass left ventricle to right pulmonary artery with zooplastic tissue, percutaneous endoscopic approach	02U00KZ	Supplement coronary artery, one artery with nonautologous tissue substitute, open approach
021L48R	Bypass left ventricle to left pulmonary artery with zooplastic tissue, percutaneous endoscopic approach	02U037Z	Supplement coronary artery, one artery with autologous tissue substitute, percutaneous approach
021L49P	Bypass left ventricle to pulmonary trunk with autologous venous tissue, percutaneous endoscopic approach	02U038Z	Supplement coronary artery, one artery with zooplastic tissue, percutaneous approach
021L49Q	Bypass left ventricle to right pulmonary artery with autologous venous tissue, percutaneous endoscopic approach	02U03JZ	Supplement coronary artery, one artery with synthetic substitute, percutaneous approach
021L49R	Bypass left ventricle to left pulmonary artery with autologous venous tissue, percutaneous endoscopic approach	02U03KZ	Supplement coronary artery, one artery with nonautologous tissue substitute, percutaneous approach
021L4AP	Bypass left ventricle to pulmonary trunk with autologous arterial tissue, percutaneous endoscopic approach	02U047Z	Supplement coronary artery, one artery with autologous tissue substitute, percutaneous endoscopic approach
021L4AQ	Bypass left ventricle to right pulmonary artery with autologous arterial tissue, percutaneous endoscopic approach	02U048Z	Supplement coronary artery, one artery with zooplastic tissue, percutaneous endoscopic approach
021L4AR	Bypass left ventricle to left pulmonary artery with autologous arterial tissue, percutaneous endoscopic approach	02U04JZ	Supplement coronary artery, one artery with synthetic substitute, percutaneous endoscopic approach

021L4JP	Bypass left ventricle to pulmonary trunk with synthetic substitute, percutaneous endoscopic approach	02U04KZ	Supplement coronary artery, one artery with nonautologous tissue substitute, percutaneous endoscopic approach
021L4JQ	Bypass left ventricle to right pulmonary artery with synthetic substitute, percutaneous endoscopic approach	02U107Z	Supplement coronary artery, two arteries with autologous tissue substitute, open approach
021L4JR	Bypass left ventricle to left pulmonary artery with synthetic substitute, percutaneous endoscopic approach	02U108Z	Supplement coronary artery, two arteries with zooplastic tissue, open approach
021L4KP	Bypass left ventricle to pulmonary trunk with nonautologous tissue substitute, percutaneous endoscopic approach	02U10JZ	Supplement coronary artery, two arteries with synthetic substitute, open approach
021L4KQ	Bypass left ventricle to right pulmonary artery with nonautologous tissue substitute, percutaneous endoscopic approach	02U10KZ	Supplement coronary artery, two arteries with nonautologous tissue substitute, open approach
021L4KR	Bypass left ventricle to left pulmonary artery with nonautologous tissue substitute, percutaneous endoscopic approach	02U137Z	Supplement coronary artery, two arteries with autologous tissue substitute, percutaneous approach
021L4Z5	Bypass left ventricle to coronary circulation, percutaneous endoscopic approach	02U138Z	Supplement coronary artery, two arteries with zooplastic tissue, percutaneous approach
021L4Z8	Bypass left ventricle to right internal mammary, percutaneous endoscopic approach	02U13JZ	Supplement coronary artery, two arteries with synthetic substitute, percutaneous approach
021L4Z9	Bypass left ventricle to left internal mammary, percutaneous endoscopic approach	02U13KZ	Supplement coronary artery, two arteries with nonautologous tissue substitute, percutaneous approach
021L4ZC	Bypass left ventricle to thoracic artery, percutaneous endoscopic approach	02U147Z	Supplement coronary artery, two arteries with autologous tissue substitute, percutaneous endoscopic approach
021L4ZF	Bypass left ventricle to abdominal artery, percutaneous endoscopic approach	02U148Z	Supplement coronary artery, two arteries with zooplastic tissue, percutaneous endoscopic approach
021L4ZP	Bypass left ventricle to pulmonary trunk, percutaneous endoscopic approach	02U14JZ	Supplement coronary artery, two arteries with synthetic substitute, percutaneous endoscopic approach
021L4ZQ	Bypass left ventricle to right pulmonary artery, percutaneous endoscopic approach	02U14KZ	Supplement coronary artery, two arteries with nonautologous tissue substitute, percutaneous endoscopic approach

021L4ZR	Bypass left ventricle to left pulmonary artery, percutaneous endoscopic approach	02U207Z	Supplement coronary artery, three arteries with autologous tissue substitute, open approach
021L4ZW	Bypass left ventricle to aorta, percutaneous endoscopic approach	02U208Z	Supplement coronary artery, three arteries with zooplastic tissue, open approach
024F07J	Creation of aortic valve from truncal valve using autologous tissue substitute, open approach	02U20JZ	Supplement coronary artery, three arteries with synthetic substitute, open approach
024F08J	Creation of aortic valve from truncal valve using zooplastic tissue, open approach	02U20KZ	Supplement coronary artery, three arteries with nonautologous tissue substitute, open approach
024F0JJ	Creation of aortic valve from truncal valve using synthetic substitute, open approach	02U237Z	Supplement coronary artery, three arteries with autologous tissue substitute, percutaneous approach
024F0KJ	Creation of aortic valve from truncal valve using nonautologous tissue substitute, open approach	02U238Z	Supplement coronary artery, three arteries with zooplastic tissue, percutaneous approach
024G072	Creation of mitral valve from common atrioventricular valve using autologous tissue substitute, open approach	02U23JZ	Supplement coronary artery, three arteries with synthetic substitute, percutaneous approach
024G082	Creation of mitral valve from common atrioventricular valve using zooplastic tissue, open approach	02U23KZ	Supplement coronary artery, three arteries with nonautologous tissue substitute, percutaneous approach
024G0J2	Creation of mitral valve from common atrioventricular valve using synthetic substitute, open approach	02U247Z	Supplement coronary artery, three arteries with autologous tissue substitute, percutaneous endoscopic approach
024G0K2	Creation of mitral valve from common atrioventricular valve using nonautologous tissue substitute, open approach	02U248Z	Supplement coronary artery, three arteries with zooplastic tissue, percutaneous endoscopic approach
024J072	Creation of tricuspid valve from common atrioventricular valve using autologous tissue substitute, open approach	02U24JZ	Supplement coronary artery, three arteries with synthetic substitute, percutaneous endoscopic approach
024J082	Creation of tricuspid valve from common atrioventricular valve using zooplastic tissue, open approach	02U24KZ	Supplement coronary artery, three arteries with nonautologous tissue substitute, percutaneous endoscopic approach
024J0J2	Creation of tricuspid valve from common atrioventricular valve using synthetic substitute, open approach	02U307Z	Supplement coronary artery, four or more arteries with autologous tissue substitute, open approach

024J0K2	Creation of tricuspid valve from common atrioventricular valve using nonautologous tissue substitute, open approach	02U308Z	Supplement coronary artery, four or more arteries with zooplastic tissue, open approach
02540ZZ	Destruction of coronary vein, open approach	02U30JZ	Supplement coronary artery, four or more arteries with synthetic substitute, open approach
02543ZZ	Destruction of coronary vein, percutaneous approach	02U30KZ	Supplement coronary artery, four or more arteries with nonautologous tissue substitute, open approach
02544ZZ	Destruction of coronary vein, percutaneous endoscopic approach	02U337Z	Supplement coronary artery, four or more arteries with autologous tissue substitute, percutaneous approach
02550ZZ	Destruction of atrial septum, open approach	02U338Z	Supplement coronary artery, four or more arteries with zooplastic tissue, percutaneous approach
02553ZZ	Destruction of atrial septum, percutaneous approach	02U33JZ	Supplement coronary artery, four or more arteries with synthetic substitute, percutaneous approach
02554ZZ	Destruction of atrial septum, percutaneous endoscopic approach	02U33KZ	Supplement coronary artery, four or more arteries with nonautologous tissue substitute, percutaneous approach
02560ZZ	Destruction of right atrium, open approach	02U347Z	Supplement coronary artery, four or more arteries with autologous tissue substitute, percutaneous endoscopic approach
02563ZZ	Destruction of right atrium, percutaneous approach	02U348Z	Supplement coronary artery, four or more arteries with zooplastic tissue, percutaneous endoscopic approach
02564ZZ	Destruction of right atrium, percutaneous endoscopic approach	02U34JZ	Supplement coronary artery, four or more arteries with synthetic substitute, percutaneous endoscopic approach
02570ZK	Destruction of left atrial appendage, open approach	02U34KZ	Supplement coronary artery, four or more arteries with nonautologous tissue substitute, percutaneous endoscopic approach
02570ZZ	Destruction of left atrium, open approach	02U507Z	Supplement atrial septum with autologous tissue substitute, open approach
02573ZK	Destruction of left atrial appendage, percutaneous approach	02U508Z	Supplement atrial septum with zooplastic tissue, open approach
02573ZZ	Destruction of left atrium, percutaneous approach	02U50JZ	Supplement atrial septum with synthetic substitute, open approach



02574ZK	Destruction of left atrial appendage, percutaneous endoscopic approach	02U50KZ	Supplement atrial septum with nonautologous tissue substitute, open approach
02574ZZ	Destruction of left atrium, percutaneous endoscopic approach	02U537Z	Supplement atrial septum with autologous tissue substitute, percutaneous approach
02580ZZ	Destruction of conduction mechanism, open approach	02U538Z	Supplement atrial septum with zooplastic tissue, percutaneous approach
02583ZZ	Destruction of conduction mechanism, percutaneous approach	02U53JZ	Supplement atrial septum with synthetic substitute, percutaneous approach
02584ZZ	Destruction of conduction mechanism, percutaneous endoscopic approach	02U53KZ	Supplement atrial septum with nonautologous tissue substitute, percutaneous approach
02590ZZ	Destruction of chordae tendineae, open approach	02U547Z	Supplement atrial septum with autologous tissue substitute, percutaneous endoscopic approach
02593ZZ	Destruction of chordae tendineae, percutaneous approach	02U548Z	Supplement atrial septum with zooplastic tissue, percutaneous endoscopic approach
02594ZZ	Destruction of chordae tendineae, percutaneous endoscopic approach	02U54JZ	Supplement atrial septum with synthetic substitute, percutaneous endoscopic approach
025D0ZZ	Destruction of papillary muscle, open approach	02U54KZ	Supplement atrial septum with nonautologous tissue substitute, percutaneous endoscopic approach
025D3ZZ	Destruction of papillary muscle, percutaneous approach	02U607Z	Supplement right atrium with autologous tissue substitute, open approach
025D4ZZ	Destruction of papillary muscle, percutaneous endoscopic approach	02U608Z	Supplement right atrium with zooplastic tissue, open approach
025F0ZZ	Destruction of aortic valve, open approach	02U60KZ	Supplement right atrium with nonautologous tissue substitute, open approach
025F3ZZ	Destruction of aortic valve, percutaneous approach	02U707Z	Supplement left atrium with autologous tissue substitute, open approach
025F4ZZ	Destruction of aortic valve, percutaneous endoscopic approach	02U708Z	Supplement left atrium with zooplastic tissue, open approach
025G0ZZ	Destruction of mitral valve, open approach	02U70JZ	Supplement left atrium with synthetic substitute, open approach
025G3ZZ	Destruction of mitral valve, percutaneous approach	02U70KZ	Supplement left atrium with nonautologous tissue substitute, open approach

025G4ZZ	Destruction of mitral valve, percutaneous endoscopic approach	02U737Z	Supplement left atrium with autologous tissue substitute, percutaneous approach
025H0ZZ	Destruction of pulmonary valve, open approach	02U738Z	Supplement left atrium with zooplastic tissue, percutaneous approach
025H3ZZ	Destruction of pulmonary valve, percutaneous approach	02U73KZ	Supplement left atrium with nonautologous tissue substitute, percutaneous approach
025H4ZZ	Destruction of pulmonary valve, percutaneous endoscopic approach	02U747Z	Supplement left atrium with autologous tissue substitute, percutaneous endoscopic approach
025J0ZZ	Destruction of tricuspid valve, open approach	02U748Z	Supplement left atrium with zooplastic tissue, percutaneous endoscopic approach
025J3ZZ	Destruction of tricuspid valve, percutaneous approach	02U74KZ	Supplement left atrium with nonautologous tissue substitute, percutaneous endoscopic approach
025J4ZZ	Destruction of tricuspid valve, percutaneous endoscopic approach	02U907Z	Supplement chordae tendineae with autologous tissue substitute, open approach
025K0ZZ	Destruction of right ventricle, open approach	02U908Z	Supplement chordae tendineae with zooplastic tissue, open approach
025K3ZZ	Destruction of right ventricle, percutaneous approach	02U90JZ	Supplement chordae tendineae with synthetic substitute, open approach
025K4ZZ	Destruction of right ventricle, percutaneous endoscopic approach	02U90KZ	Supplement chordae tendineae with nonautologous tissue substitute, open approach
025L0ZZ	Destruction of left ventricle, open approach	02U937Z	Supplement chordae tendineae with autologous tissue substitute, percutaneous approach
025L3ZZ	Destruction of left ventricle, percutaneous approach	02U938Z	Supplement chordae tendineae with zooplastic tissue, percutaneous approach
025L4ZZ	Destruction of left ventricle, percutaneous endoscopic approach	02U93JZ	Supplement chordae tendineae with synthetic substitute, percutaneous approach
025M0ZZ	Destruction of ventricular septum, open approach	02U93KZ	Supplement chordae tendineae with nonautologous tissue substitute, percutaneous approach
025M3ZZ	Destruction of ventricular septum, percutaneous approach	02U947Z	Supplement chordae tendineae with autologous tissue substitute, percutaneous endoscopic approach
025M4ZZ	Destruction of ventricular septum, percutaneous endoscopic approach	02U948Z	Supplement chordae tendineae with zooplastic tissue, percutaneous endoscopic approach

025N0ZZ	Destruction of pericardium, open approach	02U94JZ	Supplement chordae tendineae with synthetic substitute, percutaneous endoscopic approach
025N3ZZ	Destruction of pericardium, percutaneous approach	02U94KZ	Supplement chordae tendineae with nonautologous tissue substitute, percutaneous endoscopic approach
025N4ZZ	Destruction of pericardium, percutaneous endoscopic approach	02UA0JZ	Supplement heart with synthetic substitute, open approach
0270046	Dilation of coronary artery, one artery, bifurcation, with drug-eluting intraluminal device, open approach	02UA3JZ	Supplement heart with synthetic substitute, percutaneous approach
027004Z	Dilation of coronary artery, one artery with drug-eluting intraluminal device, open approach	02UA4JZ	Supplement heart with synthetic substitute, percutaneous endoscopic approach
0270056	Dilation of coronary artery, one artery, bifurcation, with two drug-eluting intraluminal devices, open approach	02UD07Z	Supplement papillary muscle with autologous tissue substitute, open approach
027005Z	Dilation of coronary artery, one artery with two drug-eluting intraluminal devices, open approach	02UD08Z	Supplement papillary muscle with zooplastic tissue, open approach
0270066	Dilation of coronary artery, one artery, bifurcation, with three drug-eluting intraluminal devices, open approach	02UD0JZ	Supplement papillary muscle with synthetic substitute, open approach
027006Z	Dilation of coronary artery, one artery with three drug-eluting intraluminal devices, open approach	02UD0KZ	Supplement papillary muscle with nonautologous tissue substitute, open approach
0270076	Dilation of coronary artery, one artery, bifurcation, with four or more drug-eluting intraluminal devices, open approach	02UD37Z	Supplement papillary muscle with autologous tissue substitute, percutaneous approach
027007Z	Dilation of coronary artery, one artery with four or more drug-eluting intraluminal devices, open approach	02UD38Z	Supplement papillary muscle with zooplastic tissue, percutaneous approach
02700D6	Dilation of coronary artery, one artery, bifurcation, with intraluminal device, open approach	02UD3JZ	Supplement papillary muscle with synthetic substitute, percutaneous approach
02700DZ	Dilation of coronary artery, one artery with intraluminal device, open approach	02UD3KZ	Supplement papillary muscle with nonautologous tissue substitute, percutaneous approach
02700E6	Dilation of coronary artery, one artery, bifurcation, with two intraluminal devices, open approach	02UD47Z	Supplement papillary muscle with autologous tissue substitute, percutaneous endoscopic approach
02700EZ	Dilation of coronary artery, one artery with two intraluminal devices, open approach	02UD48Z	Supplement papillary muscle with zooplastic tissue, percutaneous endoscopic approach

02700F6	Dilation of coronary artery, one artery, bifurcation, with three intraluminal devices, open approach	02UD4JZ	Supplement papillary muscle with synthetic substitute, percutaneous endoscopic approach
02700FZ	Dilation of coronary artery, one artery with three intraluminal devices, open approach	02UD4KZ	Supplement papillary muscle with nonautologous tissue substitute, percutaneous endoscopic approach
02700G6	Dilation of coronary artery, one artery, bifurcation, with four or more intraluminal devices, open approach	02UF07J	Supplement aortic valve created from truncal valve with autologous tissue substitute, open approach
02700GZ	Dilation of coronary artery, one artery with four or more intraluminal devices, open approach	02UF07Z	Supplement aortic valve with autologous tissue substitute, open approach
02700T6	Dilation of coronary artery, one artery, bifurcation, with radioactive intraluminal device, open approach	02UF08J	Supplement aortic valve created from truncal valve with zooplastic tissue, open approach
02700TZ	Dilation of coronary artery, one artery with radioactive intraluminal device, open approach	02UF08Z	Supplement aortic valve with zooplastic tissue, open approach
02700Z6	Dilation of coronary artery, one artery, bifurcation, open approach	02UF0JJ	Supplement aortic valve created from truncal valve with synthetic substitute, open approach
02700ZZ	Dilation of coronary artery, one artery, open approach	02UF0JZ	Supplement aortic valve with synthetic substitute, open approach
0270346	Dilation of coronary artery, one artery, bifurcation, with drug-eluting intraluminal device, percutaneous approach	02UF0KJ	Supplement aortic valve created from truncal valve with nonautologous tissue substitute, open approach
027034Z	Dilation of coronary artery, one artery with drug-eluting intraluminal device, percutaneous approach	02UF0KZ	Supplement aortic valve with nonautologous tissue substitute, open approach
0270356	Dilation of coronary artery, one artery, bifurcation, with two drug-eluting intraluminal devices, percutaneous approach	02UF37J	Supplement aortic valve created from truncal valve with autologous tissue substitute, percutaneous approach
027035Z	Dilation of coronary artery, one artery with two drug-eluting intraluminal devices, percutaneous approach	02UF37Z	Supplement aortic valve with autologous tissue substitute, percutaneous approach
0270366	Dilation of coronary artery, one artery, bifurcation, with three drug-eluting intraluminal devices, percutaneous approach	02UF38J	Supplement aortic valve created from truncal valve with zooplastic tissue, percutaneous approach
027036Z	Dilation of coronary artery, one artery with three drug-eluting intraluminal devices, percutaneous approach	02UF38Z	Supplement aortic valve with zooplastic tissue, percutaneous approach

0270376	Dilation of coronary artery, one artery, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous approach	02UF3JJ	Supplement aortic valve created from truncal valve with synthetic substitute, percutaneous approach
027037Z	Dilation of coronary artery, one artery with four or more drug-eluting intraluminal devices, percutaneous approach	02UF3JZ	Supplement aortic valve with synthetic substitute, percutaneous approach
02703D6	Dilation of coronary artery, one artery, bifurcation, with intraluminal device, percutaneous approach	02UF3KJ	Supplement aortic valve created from truncal valve with nonautologous tissue substitute, percutaneous approach
02703DZ	Dilation of coronary artery, one artery with intraluminal device, percutaneous approach	02UF3KZ	Supplement aortic valve with nonautologous tissue substitute, percutaneous approach
02703E6	Dilation of coronary artery, one artery, bifurcation, with two intraluminal devices, percutaneous approach	02UF47J	Supplement aortic valve created from truncal valve with autologous tissue substitute, percutaneous endoscopic approach
02703EZ	Dilation of coronary artery, one artery with two intraluminal devices, percutaneous approach	02UF47Z	Supplement aortic valve with autologous tissue substitute, percutaneous endoscopic approach
02703F6	Dilation of coronary artery, one artery, bifurcation, with three intraluminal devices, percutaneous approach	02UF48J	Supplement aortic valve created from truncal valve with zooplastic tissue, percutaneous endoscopic approach
02703FZ	Dilation of coronary artery, one artery with three intraluminal devices, percutaneous approach	02UF48Z	Supplement aortic valve with zooplastic tissue, percutaneous endoscopic approach
02703G6	Dilation of coronary artery, one artery, bifurcation, with four or more intraluminal devices, percutaneous approach	02UF4JJ	Supplement aortic valve created from truncal valve with synthetic substitute, percutaneous endoscopic approach
02703GZ	Dilation of coronary artery, one artery with four or more intraluminal devices, percutaneous approach	02UF4JZ	Supplement aortic valve with synthetic substitute, percutaneous endoscopic approach
02703T6	Dilation of coronary artery, one artery, bifurcation, with radioactive intraluminal device, percutaneous approach	02UF4KJ	Supplement aortic valve created from truncal valve with nonautologous tissue substitute, percutaneous endoscopic approach
02703TZ	Dilation of coronary artery, one artery with radioactive intraluminal device, percutaneous approach	02UF4KZ	Supplement aortic valve with nonautologous tissue substitute, percutaneous endoscopic approach

02703Z6	Dilation of coronary artery, one artery, bifurcation, percutaneous approach	02UG07E	Supplement mitral valve created from left atrioventricular valve with autologous tissue substitute, open approach
02703ZZ	Dilation of coronary artery, one artery, percutaneous approach	02UG07Z	Supplement mitral valve with autologous tissue substitute, open approach
0270446	Dilation of coronary artery, one artery, bifurcation, with drug-eluting intraluminal device, percutaneous endoscopic approach	02UG08E	Supplement mitral valve created from left atrioventricular valve with zooplastic tissue, open approach
027044Z	Dilation of coronary artery, one artery with drug-eluting intraluminal device, percutaneous endoscopic approach	02UG08Z	Supplement mitral valve with zooplastic tissue, open approach
0270456	Dilation of coronary artery, one artery, bifurcation, with two drug-eluting intraluminal devices, percutaneous endoscopic approach	02UG0JE	Supplement mitral valve created from left atrioventricular valve with synthetic substitute, open approach
027045Z	Dilation of coronary artery, one artery with two drug-eluting intraluminal devices, percutaneous endoscopic approach	02UG0JZ	Supplement mitral valve with synthetic substitute, open approach
0270466	Dilation of coronary artery, one artery, bifurcation, with three drug-eluting intraluminal devices, percutaneous endoscopic approach	02UG0KE	Supplement mitral valve created from left atrioventricular valve with nonautologous tissue substitute, open approach
027046Z	Dilation of coronary artery, one artery with three drug-eluting intraluminal devices, percutaneous endoscopic approach	02UG0KZ	Supplement mitral valve with nonautologous tissue substitute, open approach
0270476	Dilation of coronary artery, one artery, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach	02UG37E	Supplement mitral valve created from left atrioventricular valve with autologous tissue substitute, percutaneous approach
027047Z	Dilation of coronary artery, one artery with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach	02UG37Z	Supplement mitral valve with autologous tissue substitute, percutaneous approach
02704D6	Dilation of coronary artery, one artery, bifurcation, with intraluminal device, percutaneous endoscopic approach	02UG38E	Supplement mitral valve created from left atrioventricular valve with zooplastic tissue, percutaneous approach
02704DZ	Dilation of coronary artery, one artery with intraluminal device, percutaneous endoscopic approach	02UG38Z	Supplement mitral valve with zooplastic tissue, percutaneous approach

02704E6	Dilation of coronary artery, one artery, bifurcation, with two intraluminal devices, percutaneous endoscopic approach	02UG3JE	Supplement mitral valve created from left atrioventricular valve with synthetic substitute, percutaneous approach
02704EZ	Dilation of coronary artery, one artery with two intraluminal devices, percutaneous endoscopic approach	02UG3JZ	Supplement mitral valve with synthetic substitute, percutaneous approach
02704F6	Dilation of coronary artery, one artery, bifurcation, with three intraluminal devices, percutaneous endoscopic approach	02UG3KE	Supplement mitral valve created from left atrioventricular valve with nonautologous tissue substitute, percutaneous approach
02704FZ	Dilation of coronary artery, one artery with three intraluminal devices, percutaneous endoscopic approach	02UG3KZ	Supplement mitral valve with nonautologous tissue substitute, percutaneous approach
02704G6	Dilation of coronary artery, one artery, bifurcation, with four or more intraluminal devices, percutaneous endoscopic approach	02UG47E	Supplement mitral valve created from left atrioventricular valve with autologous tissue substitute, percutaneous endoscopic approach
02704GZ	Dilation of coronary artery, one artery with four or more intraluminal devices, percutaneous endoscopic approach	02UG47Z	Supplement mitral valve with autologous tissue substitute, percutaneous endoscopic approach
02704T6	Dilation of coronary artery, one artery, bifurcation, with radioactive intraluminal device, percutaneous endoscopic approach	02UG48E	Supplement mitral valve created from left atrioventricular valve with zooplastic tissue, percutaneous endoscopic approach
02704TZ	Dilation of coronary artery, one artery with radioactive intraluminal device, percutaneous endoscopic approach	02UG48Z	Supplement mitral valve with zooplastic tissue, percutaneous endoscopic approach
02704Z6	Dilation of coronary artery, one artery, bifurcation, percutaneous endoscopic approach	02UG4JE	Supplement mitral valve created from left atrioventricular valve with synthetic substitute, percutaneous endoscopic approach
02704ZZ	Dilation of coronary artery, one artery, percutaneous endoscopic approach	02UG4JZ	Supplement mitral valve with synthetic substitute, percutaneous endoscopic approach
0271046	Dilation of coronary artery, two arteries, bifurcation, with drug-eluting intraluminal device, open approach	02UG4KE	Supplement mitral valve created from left atrioventricular valve with nonautologous tissue substitute, percutaneous endoscopic approach
027104Z	Dilation of coronary artery, two arteries with drug-eluting intraluminal device, open approach	02UG4KZ	Supplement mitral valve with nonautologous tissue substitute, percutaneous endoscopic approach

0271056	Dilation of coronary artery, two arteries, bifurcation, with two drug-eluting intraluminal devices, open approach	02UH07Z	Supplement pulmonary valve with autologous tissue substitute, open approach
027105Z	Dilation of coronary artery, two arteries with two drug-eluting intraluminal devices, open approach	02UH08Z	Supplement pulmonary valve with zooplastic tissue, open approach
0271066	Dilation of coronary artery, two arteries, bifurcation, with three drug-eluting intraluminal devices, open approach	02UH0JZ	Supplement pulmonary valve with synthetic substitute, open approach
027106Z	Dilation of coronary artery, two arteries with three drug-eluting intraluminal devices, open approach	02UH0KZ	Supplement pulmonary valve with nonautologous tissue substitute, open approach
0271076	Dilation of coronary artery, two arteries, bifurcation, with four or more drug-eluting intraluminal devices, open approach	02UH37Z	Supplement pulmonary valve with autologous tissue substitute, percutaneous approach
027107Z	Dilation of coronary artery, two arteries with four or more drug-eluting intraluminal devices, open approach	02UH38Z	Supplement pulmonary valve with zooplastic tissue, percutaneous approach
02710D6	Dilation of coronary artery, two arteries, bifurcation, with intraluminal device, open approach	02UH3JZ	Supplement pulmonary valve with synthetic substitute, percutaneous approach
02710DZ	Dilation of coronary artery, two arteries with intraluminal device, open approach	02UH3KZ	Supplement pulmonary valve with nonautologous tissue substitute, percutaneous approach
02710E6	Dilation of coronary artery, two arteries, bifurcation, with two intraluminal devices, open approach	02UH47Z	Supplement pulmonary valve with autologous tissue substitute, percutaneous endoscopic approach
02710EZ	Dilation of coronary artery, two arteries with two intraluminal devices, open approach	02UH48Z	Supplement pulmonary valve with zooplastic tissue, percutaneous endoscopic approach
02710F6	Dilation of coronary artery, two arteries, bifurcation, with three intraluminal devices, open approach	02UH4JZ	Supplement pulmonary valve with synthetic substitute, percutaneous endoscopic approach
02710FZ	Dilation of coronary artery, two arteries with three intraluminal devices, open approach	02UH4KZ	Supplement pulmonary valve with nonautologous tissue substitute, percutaneous endoscopic approach
02710G6	Dilation of coronary artery, two arteries, bifurcation, with four or more intraluminal devices, open approach	02UJ07G	Supplement tricuspid valve created from right atrioventricular valve with autologous tissue substitute, open approach



02710GZ	Dilation of coronary artery, two arteries with four or more intraluminal devices, open approach	02UJ07Z	Supplement tricuspid valve with autologous tissue substitute, open approach
02710T6	Dilation of coronary artery, two arteries, bifurcation, with radioactive intraluminal device, open approach	02UJ08G	Supplement tricuspid valve created from right atrioventricular valve with zooplastic tissue, open approach
02710TZ	Dilation of coronary artery, two arteries with radioactive intraluminal device, open approach	02UJ08Z	Supplement tricuspid valve with zooplastic tissue, open approach
02710Z6	Dilation of coronary artery, two arteries, bifurcation, open approach	02UJ0JG	Supplement tricuspid valve created from right atrioventricular valve with synthetic substitute, open approach
02710ZZ	Dilation of coronary artery, two arteries, open approach	02UJ0JZ	Supplement tricuspid valve with synthetic substitute, open approach
0271346	Dilation of coronary artery, two arteries, bifurcation, with drug-eluting intraluminal device, percutaneous approach	02UJ0KG	Supplement tricuspid valve created from right atrioventricular valve with nonautologous tissue substitute, open approach
027134Z	Dilation of coronary artery, two arteries with drug-eluting intraluminal device, percutaneous approach	02UJ0KZ	Supplement tricuspid valve with nonautologous tissue substitute, open approach
0271356	Dilation of coronary artery, two arteries, bifurcation, with two drug-eluting intraluminal devices, percutaneous approach	02UJ37G	Supplement tricuspid valve created from right atrioventricular valve with autologous tissue substitute, percutaneous approach
027135Z	Dilation of coronary artery, two arteries with two drug-eluting intraluminal devices, percutaneous approach	02UJ37Z	Supplement tricuspid valve with autologous tissue substitute, percutaneous approach
0271366	Dilation of coronary artery, two arteries, bifurcation, with three drug-eluting intraluminal devices, percutaneous approach	02UJ38G	Supplement tricuspid valve created from right atrioventricular valve with zooplastic tissue, percutaneous approach
027136Z	Dilation of coronary artery, two arteries with three drug-eluting intraluminal devices, percutaneous approach	02UJ38Z	Supplement tricuspid valve with zooplastic tissue, percutaneous approach
0271376	Dilation of coronary artery, two arteries, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous approach	02UJ3JG	Supplement tricuspid valve created from right atrioventricular valve with synthetic substitute, percutaneous approach
027137Z	Dilation of coronary artery, two arteries with four or more drug-eluting intraluminal devices, percutaneous approach	02UJ3JZ	Supplement tricuspid valve with synthetic substitute, percutaneous approach

02713D6	Dilation of coronary artery, two arteries, bifurcation, with intraluminal device, percutaneous approach	02UJ3KG	Supplement tricuspid valve created from right atrioventricular valve with nonautologous tissue substitute, percutaneous approach
02713DZ	Dilation of coronary artery, two arteries with intraluminal device, percutaneous approach	02UJ3KZ	Supplement tricuspid valve with nonautologous tissue substitute, percutaneous approach
02713E6	Dilation of coronary artery, two arteries, bifurcation, with two intraluminal devices, percutaneous approach	02UJ47G	Supplement tricuspid valve created from right atrioventricular valve with autologous tissue substitute, percutaneous endoscopic approach
02713EZ	Dilation of coronary artery, two arteries with two intraluminal devices, percutaneous approach	02UJ47Z	Supplement tricuspid valve with autologous tissue substitute, percutaneous endoscopic approach
02713F6	Dilation of coronary artery, two arteries, bifurcation, with three intraluminal devices, percutaneous approach	02UJ48G	Supplement tricuspid valve created from right atrioventricular valve with zooplastic tissue, percutaneous endoscopic approach
02713FZ	Dilation of coronary artery, two arteries with three intraluminal devices, percutaneous approach	02UJ48Z	Supplement tricuspid valve with zooplastic tissue, percutaneous endoscopic approach
02713G6	Dilation of coronary artery, two arteries, bifurcation, with four or more intraluminal devices, percutaneous approach	02UJ4JG	Supplement tricuspid valve created from right atrioventricular valve with synthetic substitute, percutaneous endoscopic approach
02713GZ	Dilation of coronary artery, two arteries with four or more intraluminal devices, percutaneous approach	02UJ4JZ	Supplement tricuspid valve with synthetic substitute, percutaneous endoscopic approach
02713T6	Dilation of coronary artery, two arteries, bifurcation, with radioactive intraluminal device, percutaneous approach	02UJ4KG	Supplement tricuspid valve created from right atrioventricular valve with nonautologous tissue substitute, percutaneous endoscopic approach
02713TZ	Dilation of coronary artery, two arteries with radioactive intraluminal device, percutaneous approach	02UJ4KZ	Supplement tricuspid valve with nonautologous tissue substitute, percutaneous endoscopic approach
02713Z6	Dilation of coronary artery, two arteries, bifurcation, percutaneous approach	02UK0KZ	Supplement right ventricle with nonautologous tissue substitute, open approach
02713ZZ	Dilation of coronary artery, two arteries, percutaneous approach	02UK3KZ	Supplement right ventricle with nonautologous tissue substitute, percutaneous approach
0271446	Dilation of coronary artery, two arteries, bifurcation, with drug-eluting intraluminal device, percutaneous endoscopic approach	02UK4KZ	Supplement right ventricle with nonautologous tissue substitute, percutaneous endoscopic approach

027144Z	Dilation of coronary artery, two arteries with drug-eluting intraluminal device, percutaneous endoscopic approach	02UL0KZ	Supplement left ventricle with nonautologous tissue substitute, open approach
0271456	Dilation of coronary artery, two arteries, bifurcation, with two drug-eluting intraluminal devices, percutaneous endoscopic approach	02UL3KZ	Supplement left ventricle with nonautologous tissue substitute, percutaneous approach
027145Z	Dilation of coronary artery, two arteries with two drug-eluting intraluminal devices, percutaneous endoscopic approach	02UL4KZ	Supplement left ventricle with nonautologous tissue substitute, percutaneous endoscopic approach
0271466	Dilation of coronary artery, two arteries, bifurcation, with three drug-eluting intraluminal devices, percutaneous endoscopic approach	02UM07Z	Supplement ventricular septum with autologous tissue substitute, open approach
027146Z	Dilation of coronary artery, two arteries with three drug-eluting intraluminal devices, percutaneous endoscopic approach	02UM0JZ	Supplement ventricular septum with synthetic substitute, open approach
0271476	Dilation of coronary artery, two arteries, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach	02UM0KZ	Supplement ventricular septum with nonautologous tissue substitute, open approach
027147Z	Dilation of coronary artery, two arteries with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach	02UM37Z	Supplement ventricular septum with autologous tissue substitute, percutaneous approach
02714D6	Dilation of coronary artery, two arteries, bifurcation, with intraluminal device, percutaneous endoscopic approach	02UM38Z	Supplement ventricular septum with zooplastic tissue, percutaneous approach
02714DZ	Dilation of coronary artery, two arteries with intraluminal device, percutaneous endoscopic approach	02UM3JZ	Supplement ventricular septum with synthetic substitute, percutaneous approach
02714E6	Dilation of coronary artery, two arteries, bifurcation, with two intraluminal devices, percutaneous endoscopic approach	02UM3KZ	Supplement ventricular septum with nonautologous tissue substitute, percutaneous approach
02714EZ	Dilation of coronary artery, two arteries with two intraluminal devices, percutaneous endoscopic approach	02UM47Z	Supplement ventricular septum with autologous tissue substitute, percutaneous endoscopic approach

02714F6	Dilation of coronary artery, two arteries, bifurcation, with three intraluminal devices, percutaneous endoscopic approach	02UM48Z	Supplement ventricular septum with zooplastic tissue, percutaneous endoscopic approach
02714FZ	Dilation of coronary artery, two arteries with three intraluminal devices, percutaneous endoscopic approach	02UM4JZ	Supplement ventricular septum with synthetic substitute, percutaneous endoscopic approach
02714G6	Dilation of coronary artery, two arteries, bifurcation, with four or more intraluminal devices, percutaneous endoscopic approach	02UM4KZ	Supplement ventricular septum with nonautologous tissue substitute, percutaneous endoscopic approach
02714GZ	Dilation of coronary artery, two arteries with four or more intraluminal devices, percutaneous endoscopic approach	02VG0ZZ	Restriction of mitral valve, open approach
02714T6	Dilation of coronary artery, two arteries, bifurcation, with radioactive intraluminal device, percutaneous endoscopic approach	02VG3ZZ	Restriction of mitral valve, percutaneous approach
02714TZ	Dilation of coronary artery, two arteries with radioactive intraluminal device, percutaneous endoscopic approach	02VG4ZZ	Restriction of mitral valve, percutaneous endoscopic approach
02714Z6	Dilation of coronary artery, two arteries, bifurcation, percutaneous endoscopic approach	02VR0ZT	Restriction of ductus arteriosus, open approach
02714ZZ	Dilation of coronary artery, two arteries, percutaneous endoscopic approach	02W50JZ	Revision of synthetic substitute in atrial septum, open approach
0272046	Dilation of coronary artery, three arteries, bifurcation, with drug-eluting intraluminal device, open approach	02W54JZ	Revision of synthetic substitute in atrial septum, percutaneous endoscopic approach
027204Z	Dilation of coronary artery, three arteries with drug-eluting intraluminal device, open approach	02WA0JZ	Revision of synthetic substitute in heart, open approach
0272056	Dilation of coronary artery, three arteries, bifurcation, with two drug-eluting intraluminal devices, open approach	02WA0MZ	Revision of cardiac lead in heart, open approach
027205Z	Dilation of coronary artery, three arteries with two drug-eluting intraluminal devices, open approach	02WA0NZ	Revision of intracardiac pacemaker in heart, open approach

0272066	Dilation of coronary artery, three arteries, bifurcation, with three drug-eluting intraluminal devices, open approach	02WA0QZ	Revision of implantable heart assist system in heart, open approach
027206Z	Dilation of coronary artery, three arteries with three drug-eluting intraluminal devices, open approach	02WA0RS	Revision of biventricular short-term external heart assist system in heart, open approach
0272076	Dilation of coronary artery, three arteries, bifurcation, with four or more drug-eluting intraluminal devices, open approach	02WA0RZ	Revision of short-term external heart assist system in heart, open approach
027207Z	Dilation of coronary artery, three arteries with four or more drug-eluting intraluminal devices, open approach	02WA3MZ	Revision of cardiac lead in heart, percutaneous approach
02720D6	Dilation of coronary artery, three arteries, bifurcation, with intraluminal device, open approach	02WA3QZ	Revision of implantable heart assist system in heart, percutaneous approach
02720DZ	Dilation of coronary artery, three arteries with intraluminal device, open approach	02WA3RS	Revision of biventricular short-term external heart assist system in heart, percutaneous approach
02720E6	Dilation of coronary artery, three arteries, bifurcation, with two intraluminal devices, open approach	02WA3RZ	Revision of short-term external heart assist system in heart, percutaneous approach
02720EZ	Dilation of coronary artery, three arteries with two intraluminal devices, open approach	02WA4MZ	Revision of cardiac lead in heart, percutaneous endoscopic approach
02720F6	Dilation of coronary artery, three arteries, bifurcation, with three intraluminal devices, open approach	02WA4NZ	Revision of intracardiac pacemaker in heart, percutaneous endoscopic approach
02720FZ	Dilation of coronary artery, three arteries with three intraluminal devices, open approach	02WA4QZ	Revision of implantable heart assist system in heart, percutaneous endoscopic approach
02720G6	Dilation of coronary artery, three arteries, bifurcation, with four or more intraluminal devices, open approach	02WA4RS	Revision of biventricular short-term external heart assist system in heart, percutaneous endoscopic approach
02720GZ	Dilation of coronary artery, three arteries with four or more intraluminal devices, open approach	02WA4RZ	Revision of short-term external heart assist system in heart, percutaneous endoscopic approach
02720T6	Dilation of coronary artery, three arteries, bifurcation, with radioactive intraluminal device, open approach	02WAXRS	Revision of biventricular short-term external heart assist system in heart, external approach
02720TZ	Dilation of coronary artery, three arteries with radioactive intraluminal device, open approach	02WF07Z	Revision of autologous tissue substitute in aortic valve, open approach

02720Z6	Dilation of coronary artery, three arteries, bifurcation, open approach	02WF08Z	Revision of zooplastic tissue in aortic valve, open approach
02720ZZ	Dilation of coronary artery, three arteries, open approach	02WF0JZ	Revision of synthetic substitute in aortic valve, open approach
0272346	Dilation of coronary artery, three arteries, bifurcation, with drug-eluting intraluminal device, percutaneous approach	02WF0KZ	Revision of nonautologous tissue substitute in aortic valve, open approach
027234Z	Dilation of coronary artery, three arteries with drug-eluting intraluminal device, percutaneous approach	02WF37Z	Revision of autologous tissue substitute in aortic valve, percutaneous approach
0272356	Dilation of coronary artery, three arteries, bifurcation, with two drug-eluting intraluminal devices, percutaneous approach	02WF38Z	Revision of zooplastic tissue in aortic valve, percutaneous approach
027235Z	Dilation of coronary artery, three arteries with two drug-eluting intraluminal devices, percutaneous approach	02WF3JZ	Revision of synthetic substitute in aortic valve, percutaneous approach
0272366	Dilation of coronary artery, three arteries, bifurcation, with three drug-eluting intraluminal devices, percutaneous approach	02WF3KZ	Revision of nonautologous tissue substitute in aortic valve, percutaneous approach
027236Z	Dilation of coronary artery, three arteries with three drug-eluting intraluminal devices, percutaneous approach	02WF47Z	Revision of autologous tissue substitute in aortic valve, percutaneous endoscopic approach
0272376	Dilation of coronary artery, three arteries, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous approach	02WF48Z	Revision of zooplastic tissue in aortic valve, percutaneous endoscopic approach
027237Z	Dilation of coronary artery, three arteries with four or more drug-eluting intraluminal devices, percutaneous approach	02WF4JZ	Revision of synthetic substitute in aortic valve, percutaneous endoscopic approach
02723D6	Dilation of coronary artery, three arteries, bifurcation, with intraluminal device, percutaneous approach	02WF4KZ	Revision of nonautologous tissue substitute in aortic valve, percutaneous endoscopic approach
02723DZ	Dilation of coronary artery, three arteries with intraluminal device, percutaneous approach	02WG07Z	Revision of autologous tissue substitute in mitral valve, open approach
02723E6	Dilation of coronary artery, three arteries, bifurcation, with two intraluminal devices, percutaneous approach	02WG08Z	Revision of zooplastic tissue in mitral valve, open approach

02723EZ	Dilation of coronary artery, three arteries with two intraluminal devices, percutaneous approach	02WG0JZ	Revision of synthetic substitute in mitral valve, open approach
02723F6	Dilation of coronary artery, three arteries, bifurcation, with three intraluminal devices, percutaneous approach	02WG0KZ	Revision of nonautologous tissue substitute in mitral valve, open approach
02723FZ	Dilation of coronary artery, three arteries with three intraluminal devices, percutaneous approach	02WG37Z	Revision of autologous tissue substitute in mitral valve, percutaneous approach
02723G6	Dilation of coronary artery, three arteries, bifurcation, with four or more intraluminal devices, percutaneous approach	02WG38Z	Revision of zooplastic tissue in mitral valve, percutaneous approach
02723GZ	Dilation of coronary artery, three arteries with four or more intraluminal devices, percutaneous approach	02WG3JZ	Revision of synthetic substitute in mitral valve, percutaneous approach
02723T6	Dilation of coronary artery, three arteries, bifurcation, with radioactive intraluminal device, percutaneous approach	02WG3KZ	Revision of nonautologous tissue substitute in mitral valve, percutaneous approach
02723TZ	Dilation of coronary artery, three arteries with radioactive intraluminal device, percutaneous approach	02WG47Z	Revision of autologous tissue substitute in mitral valve, percutaneous endoscopic approach
02723Z6	Dilation of coronary artery, three arteries, bifurcation, percutaneous approach	02WG48Z	Revision of zooplastic tissue in mitral valve, percutaneous endoscopic approach
02723ZZ	Dilation of coronary artery, three arteries, percutaneous approach	02WG4JZ	Revision of synthetic substitute in mitral valve, percutaneous endoscopic approach
0272446	Dilation of coronary artery, three arteries, bifurcation, with drug-eluting intraluminal device, percutaneous endoscopic approach	02WG4KZ	Revision of nonautologous tissue substitute in mitral valve, percutaneous endoscopic approach
027244Z	Dilation of coronary artery, three arteries with drug-eluting intraluminal device, percutaneous endoscopic approach	02WH07Z	Revision of autologous tissue substitute in pulmonary valve, open approach
0272456	Dilation of coronary artery, three arteries, bifurcation, with two drug-eluting intraluminal devices, percutaneous endoscopic approach	02WH08Z	Revision of zooplastic tissue in pulmonary valve, open approach

027245Z	Dilation of coronary artery, three arteries with two drug-eluting intraluminal devices, percutaneous endoscopic approach	02WH0JZ	Revision of synthetic substitute in pulmonary valve, open approach
0272466	Dilation of coronary artery, three arteries, bifurcation, with three drug-eluting intraluminal devices, percutaneous endoscopic approach	02WH0KZ	Revision of nonautologous tissue substitute in pulmonary valve, open approach
027246Z	Dilation of coronary artery, three arteries with three drug-eluting intraluminal devices, percutaneous endoscopic approach	02WH37Z	Revision of autologous tissue substitute in pulmonary valve, percutaneous approach
0272476	Dilation of coronary artery, three arteries, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach	02WH38Z	Revision of zooplastic tissue in pulmonary valve, percutaneous approach
027247Z	Dilation of coronary artery, three arteries with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach	02WH3JZ	Revision of synthetic substitute in pulmonary valve, percutaneous approach
02724D6	Dilation of coronary artery, three arteries, bifurcation, with intraluminal device, percutaneous endoscopic approach	02WH3KZ	Revision of nonautologous tissue substitute in pulmonary valve, percutaneous approach
02724DZ	Dilation of coronary artery, three arteries with intraluminal device, percutaneous endoscopic approach	02WH47Z	Revision of autologous tissue substitute in pulmonary valve, percutaneous endoscopic approach
02724E6	Dilation of coronary artery, three arteries, bifurcation, with two intraluminal devices, percutaneous endoscopic approach	02WH48Z	Revision of zooplastic tissue in pulmonary valve, percutaneous endoscopic approach
02724EZ	Dilation of coronary artery, three arteries with two intraluminal devices, percutaneous endoscopic approach	02WH4JZ	Revision of synthetic substitute in pulmonary valve, percutaneous endoscopic approach
02724F6	Dilation of coronary artery, three arteries, bifurcation, with three intraluminal devices, percutaneous endoscopic approach	02WH4KZ	Revision of nonautologous tissue substitute in pulmonary valve, percutaneous endoscopic approach
02724FZ	Dilation of coronary artery, three arteries with three intraluminal devices, percutaneous endoscopic approach	02WJ07Z	Revision of autologous tissue substitute in tricuspid valve, open approach
02724G6	Dilation of coronary artery, three arteries, bifurcation, with four or more intraluminal devices, percutaneous endoscopic approach	02WJ08Z	Revision of zooplastic tissue in tricuspid valve, open approach



02724GZ	Dilation of coronary artery, three arteries with four or more intraluminal devices, percutaneous endoscopic approach	02WJ0JZ	Revision of synthetic substitute in tricuspid valve, open approach
02724T6	Dilation of coronary artery, three arteries, bifurcation, with radioactive intraluminal device, percutaneous endoscopic approach	02WJ0KZ	Revision of nonautologous tissue substitute in tricuspid valve, open approach
02724TZ	Dilation of coronary artery, three arteries with radioactive intraluminal device, percutaneous endoscopic approach	02WJ37Z	Revision of autologous tissue substitute in tricuspid valve, percutaneous approach
02724Z6	Dilation of coronary artery, three arteries, bifurcation, percutaneous endoscopic approach	02WJ38Z	Revision of zooplastic tissue in tricuspid valve, percutaneous approach
02724ZZ	Dilation of coronary artery, three arteries, percutaneous endoscopic approach	02WJ3JZ	Revision of synthetic substitute in tricuspid valve, percutaneous approach
0273046	Dilation of coronary artery, four or more arteries, bifurcation, with drug-eluting intraluminal device, open approach	02WJ3KZ	Revision of nonautologous tissue substitute in tricuspid valve, percutaneous approach
027304Z	Dilation of coronary artery, four or more arteries with drug-eluting intraluminal device, open approach	02WJ47Z	Revision of autologous tissue substitute in tricuspid valve, percutaneous endoscopic approach
0273056	Dilation of coronary artery, four or more arteries, bifurcation, with two drug-eluting intraluminal devices, open approach	02WJ48Z	Revision of zooplastic tissue in tricuspid valve, percutaneous endoscopic approach
027305Z	Dilation of coronary artery, four or more arteries with two drug-eluting intraluminal devices, open approach	02WJ4JZ	Revision of synthetic substitute in tricuspid valve, percutaneous endoscopic approach
0273066	Dilation of coronary artery, four or more arteries, bifurcation, with three drug-eluting intraluminal devices, open approach	02WJ4KZ	Revision of nonautologous tissue substitute in tricuspid valve, percutaneous endoscopic approach
027306Z	Dilation of coronary artery, four or more arteries with three drug-eluting intraluminal devices, open approach	02WM0JZ	Revision of synthetic substitute in ventricular septum, open approach
0273076	Dilation of coronary artery, four or more arteries, bifurcation, with four or more drug-eluting intraluminal devices, open approach	02WM4JZ	Revision of synthetic substitute in ventricular septum, percutaneous endoscopic approach

027307Z	Dilation of coronary artery, four or more arteries with four or more drug-eluting intraluminal devices, open approach	02YA0Z0	Transplantation of heart, allogeneic, open approach
02730D6	Dilation of coronary artery, four or more arteries, bifurcation, with intraluminal device, open approach	02YA0Z1	Transplantation of heart, syngeneic, open approach
02730DZ	Dilation of coronary artery, four or more arteries with intraluminal device, open approach	02YA0Z2	Transplantation of heart, zooplastic, open approach
02730E6	Dilation of coronary artery, four or more arteries, bifurcation, with two intraluminal devices, open approach	061007P	Bypass inferior vena cava to pulmonary trunk with autologous tissue substitute, open approach
02730EZ	Dilation of coronary artery, four or more arteries with two intraluminal devices, open approach	061007Q	Bypass inferior vena cava to right pulmonary artery with autologous tissue substitute, open approach
02730F6	Dilation of coronary artery, four or more arteries, bifurcation, with three intraluminal devices, open approach	061007R	Bypass inferior vena cava to left pulmonary artery with autologous tissue substitute, open approach
02730FZ	Dilation of coronary artery, four or more arteries with three intraluminal devices, open approach	061009P	Bypass inferior vena cava to pulmonary trunk with autologous venous tissue, open approach
02730G6	Dilation of coronary artery, four or more arteries, bifurcation, with four or more intraluminal devices, open approach	061009Q	Bypass inferior vena cava to right pulmonary artery with autologous venous tissue, open approach
02730GZ	Dilation of coronary artery, four or more arteries with four or more intraluminal devices, open approach	061009R	Bypass inferior vena cava to left pulmonary artery with autologous venous tissue, open approach
02730T6	Dilation of coronary artery, four or more arteries, bifurcation, with radioactive intraluminal device, open approach	06100AP	Bypass inferior vena cava to pulmonary trunk with autologous arterial tissue, open approach
02730TZ	Dilation of coronary artery, four or more arteries with radioactive intraluminal device, open approach	06100AQ	Bypass inferior vena cava to right pulmonary artery with autologous arterial tissue, open approach
02730Z6	Dilation of coronary artery, four or more arteries, bifurcation, open approach	06100AR	Bypass inferior vena cava to left pulmonary artery with autologous arterial tissue, open approach
02730ZZ	Dilation of coronary artery, four or more arteries, open approach	06100JP	Bypass inferior vena cava to pulmonary trunk with synthetic substitute, open approach

0273346	Dilation of coronary artery, four or more arteries, bifurcation, with drug-eluting intraluminal device, percutaneous approach	06100JQ	Bypass inferior vena cava to right pulmonary artery with synthetic substitute, open approach
027334Z	Dilation of coronary artery, four or more arteries with drug-eluting intraluminal device, percutaneous approach	06100JR	Bypass inferior vena cava to left pulmonary artery with synthetic substitute, open approach
0273356	Dilation of coronary artery, four or more arteries, bifurcation, with two drug-eluting intraluminal devices, percutaneous approach	06100KP	Bypass inferior vena cava to pulmonary trunk with nonautologous tissue substitute, open approach
027335Z	Dilation of coronary artery, four or more arteries with two drug-eluting intraluminal devices, percutaneous approach	06100KQ	Bypass inferior vena cava to right pulmonary artery with nonautologous tissue substitute, open approach
0273366	Dilation of coronary artery, four or more arteries, bifurcation, with three drug-eluting intraluminal devices, percutaneous approach	06100KR	Bypass inferior vena cava to left pulmonary artery with nonautologous tissue substitute, open approach
027336Z	Dilation of coronary artery, four or more arteries with three drug-eluting intraluminal devices, percutaneous approach	06100ZP	Bypass inferior vena cava to pulmonary trunk, open approach
0273376	Dilation of coronary artery, four or more arteries, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous approach	06100ZQ	Bypass inferior vena cava to right pulmonary artery, open approach
027337Z	Dilation of coronary artery, four or more arteries with four or more drug-eluting intraluminal devices, percutaneous approach	06100ZR	Bypass inferior vena cava to left pulmonary artery, open approach
02733D6	Dilation of coronary artery, four or more arteries, bifurcation, with intraluminal device, percutaneous approach	061047P	Bypass inferior vena cava to pulmonary trunk with autologous tissue substitute, percutaneous endoscopic approach
02733DZ	Dilation of coronary artery, four or more arteries with intraluminal device, percutaneous approach	061047Q	Bypass inferior vena cava to right pulmonary artery with autologous tissue substitute, percutaneous endoscopic approach
02733E6	Dilation of coronary artery, four or more arteries, bifurcation, with two intraluminal devices, percutaneous approach	061047R	Bypass inferior vena cava to left pulmonary artery with autologous tissue substitute, percutaneous endoscopic approach

02733EZ	Dilation of coronary artery, four or more arteries with two intraluminal devices, percutaneous approach	061049P	Bypass inferior vena cava to pulmonary trunk with autologous venous tissue, percutaneous endoscopic approach
02733F6	Dilation of coronary artery, four or more arteries, bifurcation, with three intraluminal devices, percutaneous approach	061049Q	Bypass inferior vena cava to right pulmonary artery with autologous venous tissue, percutaneous endoscopic approach
02733FZ	Dilation of coronary artery, four or more arteries with three intraluminal devices, percutaneous approach	061049R	Bypass inferior vena cava to left pulmonary artery with autologous venous tissue, percutaneous endoscopic approach
02733G6	Dilation of coronary artery, four or more arteries, bifurcation, with four or more intraluminal devices, percutaneous approach	06104AP	Bypass inferior vena cava to pulmonary trunk with autologous arterial tissue, percutaneous endoscopic approach
02733GZ	Dilation of coronary artery, four or more arteries with four or more intraluminal devices, percutaneous approach	06104AQ	Bypass inferior vena cava to right pulmonary artery with autologous arterial tissue, percutaneous endoscopic approach
02733T6	Dilation of coronary artery, four or more arteries, bifurcation, with radioactive intraluminal device, percutaneous approach	06104AR	Bypass inferior vena cava to left pulmonary artery with autologous arterial tissue, percutaneous endoscopic approach
02733TZ	Dilation of coronary artery, four or more arteries with radioactive intraluminal device, percutaneous approach	06104JP	Bypass inferior vena cava to pulmonary trunk with synthetic substitute, percutaneous endoscopic approach
02733Z6	Dilation of coronary artery, four or more arteries, bifurcation, percutaneous approach	06104JQ	Bypass inferior vena cava to right pulmonary artery with synthetic substitute, percutaneous endoscopic approach
02733ZZ	Dilation of coronary artery, four or more arteries, percutaneous approach	06104JR	Bypass inferior vena cava to left pulmonary artery with synthetic substitute, percutaneous endoscopic approach
0273446	Dilation of coronary artery, four or more arteries, bifurcation, with drug-eluting intraluminal device, percutaneous endoscopic approach	06104KP	Bypass inferior vena cava to pulmonary trunk with nonautologous tissue substitute, percutaneous endoscopic approach
027344Z	Dilation of coronary artery, four or more arteries with drug-eluting intraluminal device, percutaneous endoscopic approach	06104KQ	Bypass inferior vena cava to right pulmonary artery with nonautologous tissue substitute, percutaneous endoscopic approach

0273456	Dilation of coronary artery, four or more arteries, bifurcation, with two drug-eluting intraluminal devices, percutaneous endoscopic approach	06104KR	Bypass inferior vena cava to left pulmonary artery with nonautologous tissue substitute, percutaneous endoscopic approach
027345Z	Dilation of coronary artery, four or more arteries with two drug-eluting intraluminal devices, percutaneous endoscopic approach	06104ZP	Bypass inferior vena cava to pulmonary trunk, percutaneous endoscopic approach
0273466	Dilation of coronary artery, four or more arteries, bifurcation, with three drug-eluting intraluminal devices, percutaneous endoscopic approach	06104ZQ	Bypass inferior vena cava to right pulmonary artery, percutaneous endoscopic approach
027346Z	Dilation of coronary artery, four or more arteries with three drug-eluting intraluminal devices, percutaneous endoscopic approach	06104ZR	Bypass inferior vena cava to left pulmonary artery, percutaneous endoscopic approach
0273476	Dilation of coronary artery, four or more arteries, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach	0JH600Z	Insertion of hemodynamic monitoring device into chest subcutaneous tissue and fascia, open approach
027347Z	Dilation of coronary artery, four or more arteries with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach	0JH604Z	Insertion of pacemaker, single chamber into chest subcutaneous tissue and fascia, open approach
02734D6	Dilation of coronary artery, four or more arteries, bifurcation, with intraluminal device, percutaneous endoscopic approach	0JH605Z	Insertion of pacemaker, single chamber rate responsive into chest subcutaneous tissue and fascia, open approach
02734DZ	Dilation of coronary artery, four or more arteries with intraluminal device, percutaneous endoscopic approach	0JH606Z	Insertion of pacemaker, dual chamber into chest subcutaneous tissue and fascia, open approach
02734E6	Dilation of coronary artery, four or more arteries, bifurcation, with two intraluminal devices, percutaneous endoscopic approach	0JH607Z	Insertion of cardiac resynchronization pacemaker pulse generator into chest subcutaneous tissue and fascia, open approach
02734EZ	Dilation of coronary artery, four or more arteries with two intraluminal devices, percutaneous endoscopic approach	0JH608Z	Insertion of defibrillator generator into chest subcutaneous tissue and fascia, open approach
02734F6	Dilation of coronary artery, four or more arteries, bifurcation, with three intraluminal devices, percutaneous endoscopic approach	0JH609Z	Insertion of cardiac resynchronization defibrillator pulse generator into chest subcutaneous tissue and fascia, open approach

02734FZ	Dilation of coronary artery, four or more arteries with three intraluminal devices, percutaneous endoscopic approach	0JH60AZ	Insertion of contractility modulation device into chest subcutaneous tissue and fascia, open approach
02734G6	Dilation of coronary artery, four or more arteries, bifurcation, with four or more intraluminal devices, percutaneous endoscopic approach	0JH60FZ	Insertion of subcutaneous defibrillator lead into chest subcutaneous tissue and fascia, open approach
02734GZ	Dilation of coronary artery, four or more arteries with four or more intraluminal devices, percutaneous endoscopic approach	0JH60PZ	Insertion of cardiac rhythm related device into chest subcutaneous tissue and fascia, open approach
02734T6	Dilation of coronary artery, four or more arteries, bifurcation, with radioactive intraluminal device, percutaneous endoscopic approach	0JH630Z	Insertion of hemodynamic monitoring device into chest subcutaneous tissue and fascia, percutaneous approach
02734TZ	Dilation of coronary artery, four or more arteries with radioactive intraluminal device, percutaneous endoscopic approach	0JH634Z	Insertion of pacemaker, single chamber into chest subcutaneous tissue and fascia, percutaneous approach
02734Z6	Dilation of coronary artery, four or more arteries, bifurcation, percutaneous endoscopic approach	0JH635Z	Insertion of pacemaker, single chamber rate responsive into chest subcutaneous tissue and fascia, percutaneous approach
02734ZZ	Dilation of coronary artery, four or more arteries, percutaneous endoscopic approach	0JH636Z	Insertion of pacemaker, dual chamber into chest subcutaneous tissue and fascia, percutaneous approach
027F04Z	Dilation of aortic valve with drug-eluting intraluminal device, open approach	0JH637Z	Insertion of cardiac resynchronization pacemaker pulse generator into chest subcutaneous tissue and fascia, percutaneous approach
027F0DZ	Dilation of aortic valve with intraluminal device, open approach	0JH638Z	Insertion of defibrillator generator into chest subcutaneous tissue and fascia, percutaneous approach
027F0ZZ	Dilation of aortic valve, open approach	0JH639Z	Insertion of cardiac resynchronization defibrillator pulse generator into chest subcutaneous tissue and fascia, percutaneous approach
027F34Z	Dilation of aortic valve with drug-eluting intraluminal device, percutaneous approach	0JH63AZ	Insertion of contractility modulation device into chest subcutaneous tissue and fascia, percutaneous approach
027F3DZ	Dilation of aortic valve with intraluminal device, percutaneous approach	0JH63FZ	Insertion of subcutaneous defibrillator lead into chest subcutaneous tissue and fascia, percutaneous approach

027F3ZZ	Dilation of aortic valve, percutaneous approach	0JH63PZ	Insertion of cardiac rhythm related device into chest subcutaneous tissue and fascia, percutaneous approach
027F44Z	Dilation of aortic valve with drug-eluting intraluminal device, percutaneous endoscopic approach	0JH800Z	Insertion of hemodynamic monitoring device into abdomen subcutaneous tissue and fascia, open approach
027F4DZ	Dilation of aortic valve with intraluminal device, percutaneous endoscopic approach	0JH804Z	Insertion of pacemaker, single chamber into abdomen subcutaneous tissue and fascia, open approach
027F4ZZ	Dilation of aortic valve, percutaneous endoscopic approach	0JH805Z	Insertion of pacemaker, single chamber rate responsive into abdomen subcutaneous tissue and fascia, open approach
027G04Z	Dilation of mitral valve with drug-eluting intraluminal device, open approach	0JH806Z	Insertion of pacemaker, dual chamber into abdomen subcutaneous tissue and fascia, open approach
027G0DZ	Dilation of mitral valve with intraluminal device, open approach	0JH807Z	Insertion of cardiac resynchronization pacemaker pulse generator into abdomen subcutaneous tissue and fascia, open approach
027G0ZZ	Dilation of mitral valve, open approach	0JH808Z	Insertion of defibrillator generator into abdomen subcutaneous tissue and fascia, open approach
027G34Z	Dilation of mitral valve with drug-eluting intraluminal device, percutaneous approach	0JH809Z	Insertion of cardiac resynchronization defibrillator pulse generator into abdomen subcutaneous tissue and fascia, open approach
027G3DZ	Dilation of mitral valve with intraluminal device, percutaneous approach	0JH80AZ	Insertion of contractility modulation device into abdomen subcutaneous tissue and fascia, open approach
027G3ZZ	Dilation of mitral valve, percutaneous approach	0JH80PZ	Insertion of cardiac rhythm related device into abdomen subcutaneous tissue and fascia, open approach
027G44Z	Dilation of mitral valve with drug-eluting intraluminal device, percutaneous endoscopic approach	0JH830Z	Insertion of hemodynamic monitoring device into abdomen subcutaneous tissue and fascia, percutaneous approach
027G4DZ	Dilation of mitral valve with intraluminal device, percutaneous endoscopic approach	0JH834Z	Insertion of pacemaker, single chamber into abdomen subcutaneous tissue and fascia, percutaneous approach
027G4ZZ	Dilation of mitral valve, percutaneous endoscopic approach	0JH835Z	Insertion of pacemaker, single chamber rate responsive into abdomen subcutaneous tissue and fascia, percutaneous approach

027H04Z	Dilation of pulmonary valve with drug-eluting intraluminal device, open approach	0JH836Z	Insertion of pacemaker, dual chamber into abdomen subcutaneous tissue and fascia, percutaneous approach
027H0DZ	Dilation of pulmonary valve with intraluminal device, open approach	0JH837Z	Insertion of cardiac resynchronization pacemaker pulse generator into abdomen subcutaneous tissue and fascia, percutaneous approach
027H0ZZ	Dilation of pulmonary valve, open approach	0JH838Z	Insertion of defibrillator generator into abdomen subcutaneous tissue and fascia, percutaneous approach
027H34Z	Dilation of pulmonary valve with drug-eluting intraluminal device, percutaneous approach	0JH839Z	Insertion of cardiac resynchronization defibrillator pulse generator into abdomen subcutaneous tissue and fascia, percutaneous approach
027H3DZ	Dilation of pulmonary valve with intraluminal device, percutaneous approach	0JH83AZ	Insertion of contractility modulation device into abdomen subcutaneous tissue and fascia, percutaneous approach
027H3ZZ	Dilation of pulmonary valve, percutaneous approach	0JH83PZ	Insertion of cardiac rhythm related device into abdomen subcutaneous tissue and fascia, percutaneous approach
027H44Z	Dilation of pulmonary valve with drug-eluting intraluminal device, percutaneous endoscopic approach	0JPT0FZ	Removal of subcutaneous defibrillator lead from trunk subcutaneous tissue and fascia, open approach
027H4DZ	Dilation of pulmonary valve with intraluminal device, percutaneous endoscopic approach	0JPT0PZ	Removal of cardiac rhythm related device from trunk subcutaneous tissue and fascia, open approach
027H4ZZ	Dilation of pulmonary valve, percutaneous endoscopic approach	0JPT3FZ	Removal of subcutaneous defibrillator lead from trunk subcutaneous tissue and fascia, percutaneous approach
027J04Z	Dilation of tricuspid valve with drug-eluting intraluminal device, open approach	0JPT3PZ	Removal of cardiac rhythm related device from trunk subcutaneous tissue and fascia, percutaneous approach
027J0DZ	Dilation of tricuspid valve with intraluminal device, open approach	0JWT0FZ	Revision of subcutaneous defibrillator lead in trunk subcutaneous tissue and fascia, open approach
027J0ZZ	Dilation of tricuspid valve, open approach	0JWT0PZ	Revision of cardiac rhythm related device in trunk subcutaneous tissue and fascia, open approach
027J34Z	Dilation of tricuspid valve with drug-eluting intraluminal device, percutaneous approach	0JWT3FZ	Revision of subcutaneous defibrillator lead in trunk subcutaneous tissue and fascia, percutaneous approach



027J3DZ	Dilation of tricuspid valve with intraluminal device, percutaneous approach	0JWT3PZ	Revision of cardiac rhythm related device in trunk subcutaneous tissue and fascia, percutaneous approach
027J3ZZ	Dilation of tricuspid valve, percutaneous approach	0JWTXFZ	Revision of subcutaneous defibrillator lead in trunk subcutaneous tissue and fascia, external approach
027J44Z	Dilation of tricuspid valve with drug-eluting intraluminal device, percutaneous endoscopic approach	0W9D00Z	Drainage of pericardial cavity with drainage device, open approach
027J4DZ	Dilation of tricuspid valve with intraluminal device, percutaneous endoscopic approach	0W9D0ZX	Drainage of pericardial cavity, open approach, diagnostic
027J4ZZ	Dilation of tricuspid valve, percutaneous endoscopic approach	0W9D0ZZ	Drainage of pericardial cavity, open approach
027K04Z	Dilation of right ventricle with drug-eluting intraluminal device, open approach	0W9D30Z	Drainage of pericardial cavity with drainage device, percutaneous approach
027K0DZ	Dilation of right ventricle with intraluminal device, open approach	0W9D3ZX	Drainage of pericardial cavity, percutaneous approach, diagnostic
027K0ZZ	Dilation of right ventricle, open approach	0W9D3ZZ	Drainage of pericardial cavity, percutaneous approach
027K44Z	Dilation of right ventricle with drug-eluting intraluminal device, percutaneous endoscopic approach	0W9D40Z	Drainage of pericardial cavity with drainage device, percutaneous endoscopic approach
027K4DZ	Dilation of right ventricle with intraluminal device, percutaneous endoscopic approach	0W9D4ZX	Drainage of pericardial cavity, percutaneous endoscopic approach, diagnostic
027K4ZZ	Dilation of right ventricle, percutaneous endoscopic approach	0W9D4ZZ	Drainage of pericardial cavity, percutaneous endoscopic approach
027R04T	Dilation of ductus arteriosus with drug-eluting intraluminal device, open approach	0WCD0ZZ	Extirpation of matter from pericardial cavity, open approach
027R0DT	Dilation of ductus arteriosus with intraluminal device, open approach	0WCD3ZZ	Extirpation of matter from pericardial cavity, percutaneous approach
027R0ZT	Dilation of ductus arteriosus, open approach	0WCD4ZZ	Extirpation of matter from pericardial cavity, percutaneous endoscopic approach
027R44T	Dilation of ductus arteriosus with drug-eluting intraluminal device, percutaneous endoscopic approach	0WFD0ZZ	Fragmentation in pericardial cavity, open approach
027R4DT	Dilation of ductus arteriosus with intraluminal device, percutaneous endoscopic approach	0WFD3ZZ	Fragmentation in pericardial cavity, percutaneous approach
027R4ZT	Dilation of ductus arteriosus, percutaneous endoscopic approach	0WFD4ZZ	Fragmentation in pericardial cavity, percutaneous endoscopic approach

02890ZZ	Division of chordae tendineae, open approach	0WFDXZZ	Fragmentation in pericardial cavity, external approach
02893ZZ	Division of chordae tendineae, percutaneous approach	0WHD03Z	Insertion of infusion device into pericardial cavity, open approach
02894ZZ	Division of chordae tendineae, percutaneous endoscopic approach	0WHD0YZ	Insertion of other device into pericardial cavity, open approach
028D0ZZ	Division of papillary muscle, open approach	0WHD33Z	Insertion of infusion device into pericardial cavity, percutaneous approach
028D3ZZ	Division of papillary muscle, percutaneous approach	0WHD3YZ	Insertion of other device into pericardial cavity, percutaneous approach
028D4ZZ	Division of papillary muscle, percutaneous endoscopic approach	0WHD43Z	Insertion of infusion device into pericardial cavity, percutaneous endoscopic approach
02B40ZZ	Excision of coronary vein, open approach	0WHD4YZ	Insertion of other device into pericardial cavity, percutaneous endoscopic approach
02B43ZZ	Excision of coronary vein, percutaneous approach	0WPD00Z	Removal of drainage device from pericardial cavity, open approach
02B44ZZ	Excision of coronary vein, percutaneous endoscopic approach	0WPD01Z	Removal of radioactive element from pericardial cavity, open approach
02B50ZZ	Excision of atrial septum, open approach	0WPD03Z	Removal of infusion device from pericardial cavity, open approach
02B53ZZ	Excision of atrial septum, percutaneous approach	0WPD0YZ	Removal of other device from pericardial cavity, open approach
02B54ZZ	Excision of atrial septum, percutaneous endoscopic approach	0WPD30Z	Removal of drainage device from pericardial cavity, percutaneous approach
02B60ZZ	Excision of right atrium, open approach	0WPD31Z	Removal of radioactive element from pericardial cavity, percutaneous approach
02B63ZZ	Excision of right atrium, percutaneous approach	0WPD33Z	Removal of infusion device from pericardial cavity, percutaneous approach
02B64ZZ	Excision of right atrium, percutaneous endoscopic approach	0WPD3YZ	Removal of other device from pericardial cavity, percutaneous approach
02B70ZK	Excision of left atrial appendage, open approach	0WPD40Z	Removal of drainage device from pericardial cavity, percutaneous endoscopic approach
02B70ZZ	Excision of left atrium, open approach	0WPD41Z	Removal of radioactive element from pericardial cavity, percutaneous endoscopic approach

02B73ZK	Excision of left atrial appendage, percutaneous approach	0WPD43Z	Removal of infusion device from pericardial cavity, percutaneous endoscopic approach
02B73ZZ	Excision of left atrium, percutaneous approach	0WPD4YZ	Removal of other device from pericardial cavity, percutaneous endoscopic approach
02B74ZK	Excision of left atrial appendage, percutaneous endoscopic approach	0WWD00Z	Revision of drainage device in pericardial cavity, open approach
02B74ZZ	Excision of left atrium, percutaneous endoscopic approach	0WWD01Z	Revision of radioactive element in pericardial cavity, open approach
02B80ZZ	Excision of conduction mechanism, open approach	0WWD03Z	Revision of infusion device in pericardial cavity, open approach
02B83ZZ	Excision of conduction mechanism, percutaneous approach	0WWD0YZ	Revision of other device in pericardial cavity, open approach
02B84ZZ	Excision of conduction mechanism, percutaneous endoscopic approach	0WWD30Z	Revision of drainage device in pericardial cavity, percutaneous approach
02B90ZZ	Excision of chordae tendineae, open approach	0WWD31Z	Revision of radioactive element in pericardial cavity, percutaneous approach
02B93ZZ	Excision of chordae tendineae, percutaneous approach	0WWD33Z	Revision of infusion device in pericardial cavity, percutaneous approach
02B94ZZ	Excision of chordae tendineae, percutaneous endoscopic approach	0WWD3YZ	Revision of other device in pericardial cavity, percutaneous approach
02BD0ZZ	Excision of papillary muscle, open approach	0WWD40Z	Revision of drainage device in pericardial cavity, percutaneous endoscopic approach
02BD3ZZ	Excision of papillary muscle, percutaneous approach	0WWD41Z	Revision of radioactive element in pericardial cavity, percutaneous endoscopic approach
02BD4ZZ	Excision of papillary muscle, percutaneous endoscopic approach	0WWD43Z	Revision of infusion device in pericardial cavity, percutaneous endoscopic approach
02BF0ZZ	Excision of aortic valve, open approach	0WWD4YZ	Revision of other device in pericardial cavity, percutaneous endoscopic approach
02BF3ZZ	Excision of aortic valve, percutaneous approach	3E07016	Introduction of recombinant human-activated protein c into coronary artery, open
02BF4ZZ	Excision of aortic valve, percutaneous endoscopic approach	3E07017	Introduction of other thrombolytic into coronary artery, open approach
02BG0ZZ	Excision of mitral valve, open approach	3E070GC	Introduction of other therapeutic substance into coronary artery, open approach

02BG3ZZ	Excision of mitral valve, percutaneous approach	3E070KZ	Introduction of other diagnostic substance into coronary artery, open approach
02BG4ZZ	Excision of mitral valve, percutaneous endoscopic approach	3E070PZ	Introduction of platelet inhibitor into coronary artery, open approach
02BH0ZZ	Excision of pulmonary valve, open approach	3E07316	Introduction of recombinant human-activated protein c into coronary artery, percutaneous
02BH3ZZ	Excision of pulmonary valve, percutaneous approach	3E07317	Introduction of other thrombolytic into coronary artery, percutaneous approach
02BH4ZZ	Excision of pulmonary valve, percutaneous endoscopic approach	3E073GC	Introduction of other therapeutic substance into coronary artery, percutaneous approach
02BJ0ZZ	Excision of tricuspid valve, open approach	3E073KZ	Introduction of other diagnostic substance into coronary artery, percutaneous approach
02BJ3ZZ	Excision of tricuspid valve, percutaneous approach	3E073PZ	Introduction of platelet inhibitor into coronary artery, percutaneous approach
02BJ4ZZ	Excision of tricuspid valve, percutaneous endoscopic approach	3E074GC	Introduction of other therapeutic substance into coronary artery, percutaneous endoscopic approach
02BK0ZZ	Excision of right ventricle, open approach	5A02110	Assistance with cardiac output using balloon pump, intermittent
02BK3ZZ	Excision of right ventricle, percutaneous approach	5A02115	Assistance with cardiac output using pulsatile compression, intermittent
02BK4ZZ	Excision of right ventricle, percutaneous endoscopic approach	5A02116	Assistance with cardiac output using other pump, intermittent
02BL0ZZ	Excision of left ventricle, open approach	5A0211D	Assistance with cardiac output using impeller pump, intermittent
02BL3ZZ	Excision of left ventricle, percutaneous approach	5A02210	Assistance with cardiac output using balloon pump, continuous
02BL4ZZ	Excision of left ventricle, percutaneous endoscopic approach	5A02215	Assistance with cardiac output using pulsatile compression, continuous
02BM0ZZ	Excision of ventricular septum, open approach	5A02216	Assistance with cardiac output using other pump, continuous
02BM3ZZ	Excision of ventricular septum, percutaneous approach	5A0221D	Assistance with cardiac output using impeller pump, continuous
02BM4ZZ	Excision of ventricular septum, percutaneous endoscopic approach	X2C0361	Extirpation of matter from coronary artery, one artery using orbital atherectomy technology, percutaneous approach, new technology group 1

02BN0ZZ	Excision of pericardium, open approach	X2C1361	Extirpation of matter from coronary artery, two arteries using orbital atherectomy technology, percutaneous approach, new technology group 1
02BN3ZZ	Excision of pericardium, percutaneous approach	X2C2361	Extirpation of matter from coronary artery, three arteries using orbital atherectomy technology, percutaneous approach, new technology group 1
02BN4ZZ	Excision of pericardium, percutaneous endoscopic approach	X2C3361	Extirpation of matter from coronary artery, four or more arteries using orbital atherectomy technology, percutaneous approach, new technology group 1
02C00Z6	Extirpation of matter from coronary artery, one artery, bifurcation, open approach	X2RF032	Replacement of aortic valve using zooplastic tissue, rapid deployment technique, open approach, new technology group 2
02C00ZZ	Extirpation of matter from coronary artery, one artery, open approach	X2RF332	Replacement of aortic valve using zooplastic tissue, rapid deployment technique, percutaneous approach, new technology group 2
02C03Z6	Extirpation of matter from coronary artery, one artery, bifurcation, percutaneous approach	X2RF432	Replacement of aortic valve using zooplastic tissue, rapid deployment technique, percutaneous endoscopic approach, new technology group 2